Samsung GALAXY DISCOVER™

ANDROID SMARTPHONE

User Manual
Please read this manual before operating your phone and keep it for future reference.

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Table of Contents

Section 1: Getting Started 4
- Understanding this User Manual 4
- Setting Up Your Phone 6
- Turning Your Phone On 12
- Your Google Account 14
- TTY Mode 15
- Voicemail 15
- Displaying Your Phone Number 15
- Roaming 16
- Securing Your Phone 16

Section 2: Understanding Your Phone 18
- Features 18
- Front View 19
- Side Views 20
- Back View 21
- Navigation 22
- Finger Motions 23
- Notifications 24
- Home Screen 25
- Customizing the Home Screen 27
- Entering Text 30

Section 3: Accounts and Contacts 32
- Accounts 32
- People 34

Section 4: Calling 43
- Making Calls 43
- Multi-party Calling 45
- Answering Calls 46
- Ending a Call 47
- Recent Calls 47
- Call Settings 49

Section 5: Messaging 51
- Types of Messages 51
- Text and Multimedia Messaging 51
- Email 55
- Gmail 59
- Google Talk 60
- Google+ 61

Messenger 61
Section 6: Applications and Widgets 62
Accessing Applications 62
Accessing Widgets 86
Section 7: Connections 88
Wi-Fi 88
Bluetooth 89
VPN 91
PC Connections 92
Tethering 92
Portable Wi-Fi hotspot 93
Memory Card 94
Section 8: Settings 95
Accessing Settings 95
WIRELESS & NETWORKS 96
DEVICE 103
PERSONAL 109
SYSTEM 118
Section 9: Health and Safety Information 122
Exposure to Radio Frequency (RF) Signals . . . 122
Specific Absorption Rate (SAR) Certification Information 127
FCC Part 15 Information to User 128
Commercial Mobile Alerting System (CMAS) . 129
Smart Practices While Driving 129
Battery Use and Safety 130
Samsung Mobile Products and Recycling 132
UL Certified Travel Charger 133
Display / Touch-Screen 134
GPS 134
Emergency Calls 135
Care and Maintenance 136
Responsible Listening 137
Operating Environment 139
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 141
Restricting Children's Access to Your Mobile Device 142
FCC Notice and Cautions 143

Other Important Safety Information 143
Section 10: Warranty Information 145
Standard Limited Warranty 145
End User License Agreement for Software . . 150
Index 158

Section 1: Getting Started

This section allows you to quickly start using your Samsung SCH-R740C phone by installing and charging the battery, installing the microSD memory card, activating your service, and setting up your voicemail account.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 158.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 122.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. (For more information, refer to *"Securing Your Phone"* on page 16.)

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, More..., or sub-More....
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Example**: Gives an example of the feature or procedure.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

→ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: "Press **Home**, then touch **System settings** → **Wi-Fi**."

Setting Up Your Phone

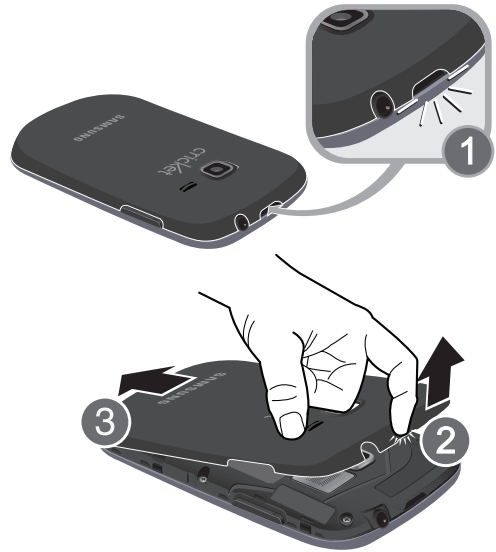
Before using your phone, you need to install the microSD™ card, and the battery into their respective internal slots and compartment.

Important! Before removing or replacing the battery cover, make sure the phone is switched off. To turn the phone off, hold down the power key until the power-off image displays, then touch **Power off**.

Removing the battery cover

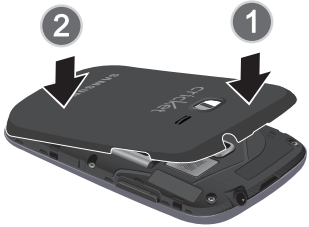
1. Locate the cover removal opening (1).
2. Place your fingernail in the opening and pry the cover away from the device (2).

Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.



Installing the battery cover

- Align the cover (1) and press it firmly into place (2), making sure it snaps into place at the corners.

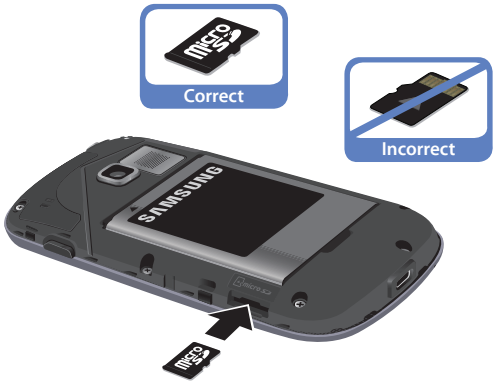


Installing a Memory Card

Your device lets you install a microSD™ (SD) or microSDHC™ memory card to expand available memory to store images, videos, music, applications, and data.

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
2. Locate the microSD card slot on the bottom inside of the phone.
3. With the gold contacts facing down, carefully slide the memory card into the slot (as shown), pushing gently until it clicks into place.

Important! Be sure to align the gold contact pins on the memory card with the phone's contacts.



Removing a Memory Card

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. Press **Home**, then touch **System settings → Storage → Unmount SD card**.
2. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
3. Firmly press the Memory card into the slot and carefully release it. The card should pop partially out of the slot.
4. Remove the card from the slot.
5. Replace the battery cover. For more information, refer to *"Installing the battery cover"* on page 7.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 3 hours of charge time.

After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Battery Indicator

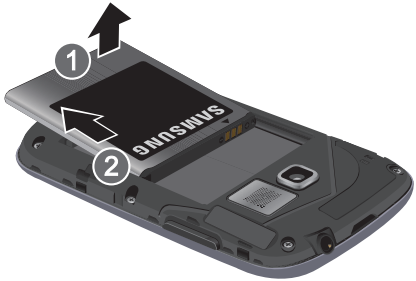
The battery icon in the Annunciator Line shows battery power level. Two to three minutes before the battery becomes too low to operate your phone, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging the battery, the phone will power off.

Installing the Battery

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
2. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.
3. Gently press down to secure the battery (2).

Removing the Battery

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
2. Lift the battery up by the slot provided (1).



3. Lift the battery up and out of the phone (2).

Charging the Battery

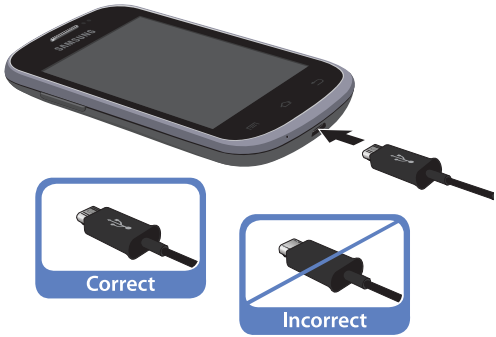
Your phone is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your phone for the first time, you must fully charge the battery. A discharged battery recharges fully in approximately 3 hours.

Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the phone to become damaged.

Important!: It is recommended you fully charge the battery before using your device for the first time.

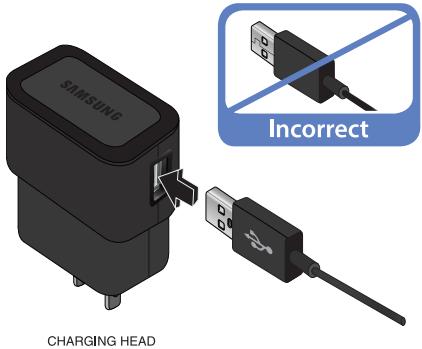
1. Insert the USB cable into the device's Charger/ Accessory jack at the bottom of the device.



Note: This illustration displays both the **correct** and **incorrect** orientation for connecting the USB cable to the phone.

If the USB cable is incorrectly connected, damage to the accessory port will occur, therefore voiding the phone's warranty.

2. Connect the USB cable to the charging head.



3. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Warning!: While the device is charging, if the touch screen does not function due to an unstable power supply, unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

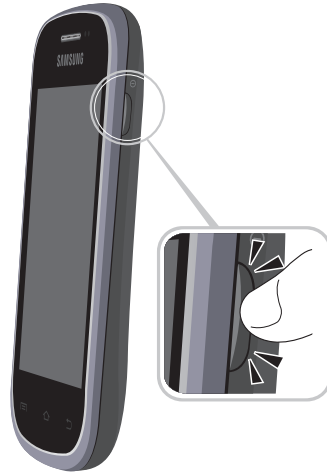
4. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the USB cable connector from the device.

Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 145.

Turning Your Phone On

- Press and hold the **Power/Lock** key (on the upper right side of the phone) for three seconds.

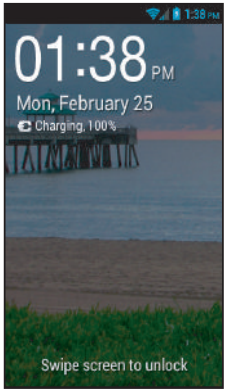
  While powering on, the phone connects with the network, then displays the Locked screen and any active Notification alerts.



Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than necessary.

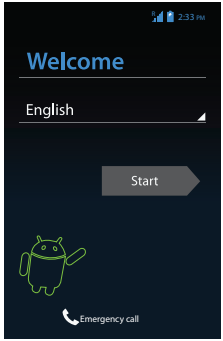
Unlocking Your Phone

1. If needed, press the **Power/ Lock Key** to wake the screen.
2. If there are no Notification alerts on your phone, swipe the screen to unlock it. The Home screen appears.



Note: If you have purchased your phone online, the first time you power your phone on and unlock the screen, the Activation Wizard **Welcome** screen appears.

Follow the prompts to activate and setup your phone.



Turning Your Phone Off

1. Press and hold the **Power/Lock Key** (on the upper right side of the device) for two seconds.
2. At the prompt, touch **Power off**. The **Power off** pop-up appears.
3. At the prompt, touch **OK**.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Maps, Google Talk, and the Google Play Store. When you turn on your phone for the first time, you should set up a connection with your existing Google account, or create a new Google account.

1. From the **Make it Google** screen, touch **Sign in** (if you already have a Google account) or **Get an account** (if you do not have a Google account).

   – or –

   Press **Home**, then touch **Apps**, and the **Apps** tab, then touch **Gmail**. The **Add a Google Account** screen displays. Touch **Existing** or **New** to continue.
2. Follow the on-screen instructions to sign in if you already have a Google account, or to create a Google Account.

Resetting your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to reset it:

1. From your computer, use an Internet browser to navigate to google.com/accounts.
2. Once the Web Page loads, click on the **Can't access your account?** link.
3. Under **Having trouble signing in?**, follow the password reset prompts.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

(For more information, refer to *"Other call settings"* on page 50.)

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting up Voicemail

1. Press **Home**, then touch **Phone**, then touch and hold 1.
2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. Press **Home**, then touch **Phone**, then touch and hold 1.
2. Follow the automated instructions to manage voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Displaying Your Phone Number

- Press **Home**, then touch **System settings** → **About phone** → **Status**.

  Your phone number displays under **My phone number**.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon ( ) appears in the Annunciator Line (Notification Bar) of the display.

Tip: You can set your phone's roaming behavior. (For more information, refer to *"Mobile networks"* on page 103.)

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls.

Note: Contact your Wireless Provider for more information about your coverage area and service plan.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock it manually. You can unlock the phone using one of the default Unlock screens, or for increased security, use a personal screen unlock pattern, a Personal Identification Number (PIN), or a password.

(For more information about creating and enabling a Screen unlock pattern, see *"Screen lock"* on page 110.)

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

- Press the **Power/Lock** key on the top right side of the phone.

Unlocking the phone

For information on unlocking your phone, see *"Unlocking Your Phone"* on page 13.

Unlocking with a Personal Screen Unlock Pattern

1. Press the **Power/Lock Key** to wake the screen.
2. Draw your personal unlock pattern on the screen.

(For more information, refer to *"Setting an Unlock Pattern"* on page 111.)

Unlocking with a Password

1. Press the **Power/Lock Key** to wake the screen.
2. Enter your Password.
3. Press **OK**.

Section 2: Understanding Your Phone

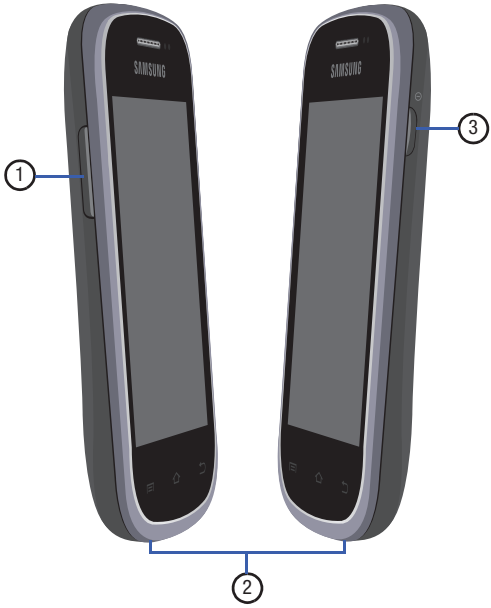
Features

- 3.5-inch (480x320 pixel) HVGA full-screen touch screen
- 5-page Home screen, simplified main menu, and separate, 4-page Applications menu
- High Speed Data [EVDO 3G - Rev A Capable Technology]
- Android OS
- Motion and position sensitivity
- Play Store™, plus pre-loaded applications
- Connections
  - Wi-Fi 802.11 b/g/n
  - Wireless Modem Service
  - Bluetooth 3.0 + EDR
  - Virtual Private Network (VPN)
- Messaging Services (with on-screen QWERTY Keypads)
  - Text Messaging
  - Picture Messaging
  - Video Messaging
  - Voice Messaging
  - Email
  - Mobile Instant Messenger (IM)
  - Chat
- Full-HTML Browser
- Global Positioning (GPS) Technology
- 3.0 Megapixel CMOS Camera-Camcorder, rear-facing
- Picture Gallery, supporting JPG, PNG, GIF, and BMP formats
- Music Player, supporting MP3 format
- Video Player, supporting MP4, 3GP, 3G2, M4V, and WEBM formations
- Speakerphone
- Ringtone and Alert tone support for MP3, AAC, WMA, M4A, OGG, MID, and AMR formats
- Support for microSD™ and microSDHC™ Memory Cards (up to 32 GB capacity)
- Bluetooth® 3.0 + EDR Wireless Technology. (For more information, refer to *"Bluetooth profiles"* on page 97.)

Front View

1. **Earpiece**: Use during calls to listen to callers.
2. **Menu Key**: Press to display options for the current screen.
3. **Microphone**: Use during calls to allow callers to hear your voice, and when recording.
4. **Home Key**: Press to display the Home screen, or Lock screen if the phone is locked. Press and hold to display recent applications.
5. **Back Key**: Press to return to the previous screen or option.
6. **Proximity Sensor**: Detect the presence of nearby objects to control device functions or blank the screen display, such as when you hold the phone to your ear during a phone call.

Side Views



1. **Volume Key**: From the Home screen, touch to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
2. **USB Power/Accessory Port**: Connect a USB cable for charging or to sync music and files.
3. **Power/Lock Key**: Press and hold to turn the phone on or off. Press to lock the phone, or to wake the screen for unlocking.

Back View

1. **3 Megapixel Camera Lens**: Use when taking photos or recording videos.
2. **External Speaker**: Play ringtones, call audio when in Speakerphone mode, media sounds (music and video), and other sounds.
3. **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. (For more information, refer to *"Warranty Information"* on page 145.)

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen currently in use.

To access context-sensitive menus:

- Touch **Menu**.
- Touch and hold on an item.

Command Keys

Menu Key

Touch **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Touch **Home** to display the Home screen.

Touch and hold **Home** to launch a menu of recent applications.

Back Key

Touch **Back** to return to the previous screen, option or step.

Finger Motions

Touch

Touch items to select or launch them. For example:

- Touch the on-screen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an app's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget or icon on the Home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe

Swipe your finger vertically or horizontally across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu
- Combine touch and hold with swipe to drag an item to a new location.

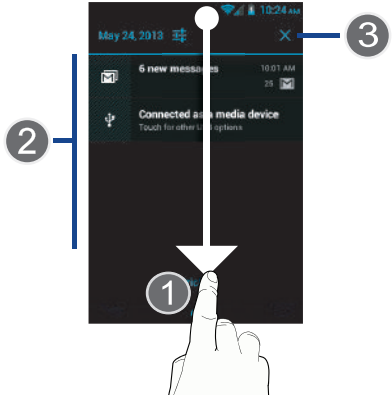
Pinch

Using two fingers, make a pinch motion on the screen. For example:

- Pinch in to zoom in on pictures or screens.
- Pinch out to zoom out on pictures or screens.

Notifications

Notifications shows information about connections, alerts and other items.



1. Touch and drag downward from the top of the screen to display notifications.
2. Touch an item to open that item, or to launch a related app or feature.
3. Touch **X** to clear all Notifications.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display Notifications.
2. Touch a notification to clear it, or to launch an app.

   – or –

   Touch **X** to clear all notifications.

Home Screen

The Home screen is the starting point for using your phone.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

1. **Status Bar**: Presents icons to show network status, battery power, and connection details. (For a list of icons, see *"Status Bar Icons"* on page 26.)
2. **Home screen**: The starting point for using your phone. Place shortcut icons, widgets, and other items to customize your phone to your needs. (For more information, see *"Home Screen"* on page 25.)
3. **Primary Shortcuts**: Shortcuts to your phone's common apps. (For more information, see *"Primary Shortcuts"* on page 29.)
4. **Panel Indicator**: Shows what panel of 5 available Home screen panels displays.
5. **Shortcuts**: Shortcuts to common apps. These shortcuts are found on the Home screen by default, and you can add more shortcuts to your favorite apps. (For more information, see *"Shortcuts"* on page 29.)
6. **Widgets**: Apps that run on the Home screen. These widgets are found on the Home screen by default, and you can add your favorites. (For more information, see *"Widgets"* on page 28.)

Status Bar Icons

The Status Bar shows network and battery status and other details.

Airplane Mode Active: All wireless communications are disabled. (See *"Airplane mode"* on page 100.)

USB Connected: The phone is connected to a computer using a USB cable.

Speakerphone: Speakerphone is enabled.

Missed Call: Displays when there is a missed call.

Battery Level: Shown fully charged.

Battery Charging: Battery is charging.

Device Power Critical: Battery has very little power remaining. Charge immediately.

No Network: No wireless network is available.

1X connection: Phone is active on a 1X system.

3G connection: Phone is active on a 3G system.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

New Message: You have new message(s).

New Voicemail: You have new voicemail. A number indicates the number of new messages.

New Email Message: You have new email.

Silent mode: All sounds except media and alarms are silenced, and Vibrate is not active. (See *"Volume"* on page 103.)

Vibrate: All sounds are silenced, and Vibrate is active. (See *"Vibrate and ring"* on page 104.)

SD Card Being Prepared: A memory card scan is underway, to prepare the card for use.

SD Card Removed: A memory card was un-installed.

Bluetooth Active: Bluetooth is turned on.

Bluetooth Connected: Your device is connected with another Bluetooth device.

Wi-Fi Active: Wi-Fi is active, and connected to a Wi-Fi network.

Wi-Fi Action Needed: Action needed to connect to Wi-Fi network. (For more information about configuring Wi-Fi, see *"Wi-Fi Settings"* on page 96.)

TTY: TTY Mode is active.

Display settings

You can customize display settings to your preferences. (For more information, see *"Display"* on page 106.)

Extended Home Screen

The Home screen consists of the Home panel, plus panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Change the Wallpaper**: For more information, see *"Wallpaper"* on page 28.
- **Add Widgets**: For more information, see *"Widgets"* on page 28.
- **Add Shortcuts**: For more information, see *"Shortcuts"* on page 29.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. Touch **Home**, touch and hold on the screen to display the **Choose wallpaper from** menu.
2. Choose a source:
   - **Gallery**: Choose a picture stored on your phone or on an optional installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **CROP** to save the picture as wallpaper.
   - **Live wallpapers**: Choose from pre-loaded animated wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.
   - **Wallpapers**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Note: You can also set Wallpaper in Settings. (For more information, see *"Wallpaper"* on page 106.)

Widgets

Widgets are self-contained applications that you can place on the Home screen for quick, direct access.

Adding Widgets to the Home screen

1. Press the **Home** key.
2. Swipe left or right until the desired Home screen panel appears.
3. Touch **Apps**, then touch the **WIDGETS** tab.
4. Touch and hold a widget until its outline appears on the pre-selected Home screen panel.
5. Drag the outline to the desired place on the Home screen panel, then release it.
6. Touch the widget and follow the prompts to configure it.

Removing Widgets

- Touch and hold the widget until **Remove** appears, then drag the widget to the **Remove** icon.

Shortcuts

Use App shortcuts to launch applications from the Home screen. Your phone comes with app shortcuts already placed on the Home screen, and you can add your favorites.

Adding Shortcuts to the Home Screen

1. Press the **Home** key.
2. Swipe left or right until the desired Home screen panel appears.
3. Touch **Apps**, then touch the **APPS** tab.
4. Touch and hold an app icon until its outline displays on the pre-selected Home screen panel.
5. Drag the outline to the desired place on the Home screen panel, then release it.

Removing Shortcuts

- Touch and hold the shortcut until **Remove** appears, then drag the shortcut to the Remove icon.

Primary Shortcuts

Primary Shortcuts display at the bottom of the screen. You can edit the Primary Shortcuts, except for **Apps**.

Editing the Primary Shortcuts

To add or remove shortcuts:

- Touch and hold a shortcut, then drag it from the Primary Shortcuts to the Home screen, or from the Home screen to the Primary Shortcuts.

To remove shortcuts:

- Touch and hold the shortcut until **Remove** appears, then drag the shortcut to the **Remove** icon.

Entering Text

On-screen QWERTY Keyboard

Your phone uses an on-screen QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

The on-screen QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the phone, the screen orientation updates to display the keyboard at the bottom of the screen.

Entering Text Using Samsung Keyboard

The Samsung keyboard is a custom on-screen QWERTY keyboard, featuring optional XT9 predictive text. Input characters by touching the on-screen keys with your finger, or use speech recognition.

You can enable XT9 predictive text, to have the Samsung keyboard match your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring Samsung keyboard

Configure the Samsung keyboard to your preferences.

- For more information, refer to *"Keyboard and input methods"* on page 114.
- While entering text, touch . The **Samsung keyboard settings** screen appears.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching **Shift** to toggle the case, before touching the letter key(s).

- Touch to switch from abc to Abc mode.
- Touch and hold to switch from abc to ABC mode.

Entering Symbols and Numbers

To enter common symbols, touch 123 Sym to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch 123 Sym → 1/3, then touch the corresponding key.

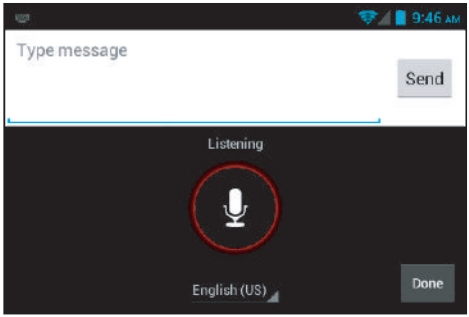
To enter numbers, touch 123 Sym, then touch the number keys.

Using Google Voice Typing

Enter text by speaking. Google voice typing recognizes your speech and enters text for you.

Note: Enable **Google voice typing** in **Language and input** settings, and **Voice input** in the **Samsung keyboard settings**, to have the input method icon display on the Status Bar. (For more information, refer to *"Keyboard and input methods"* on page 114.)

1. Touch a text entry field (such as the **Type message** field for a new message, see *"Creating and Sending Messages"* on page 51). The Input method icon ( ) appears on the left side of the Status Bar.
2. Display the Notifications screen by touching and swiping the Status Bar downward.
3. Touch the ( ) **Select input method** notification. The following options pop-up:
   - **Google voice typing**
   - **Samsung keyboard**
4. Touch **Google voice typing**. The voice input screen appears at the bottom of the display.



5. Dictate your text in a clear, natural pace.
6. When you are finished dictating your text, touch **Done**.

Section 3: Accounts and Contacts

Accounts

Your phone provides the ability to synchronize information, from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts display in your phone's Contacts.

With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Setting Up Your Accounts

Set up and manage your accounts with the **Accounts** settings.

(For information about setting up other, non-synchronized email accounts, see *"Configuring Email Accounts"* on page 55.)

Tip: For more information on setting up your email, contact your Wireless Provider.

Adding an account

1. From the Home screen, touch **Menu** ➔ **System settings**.
2. Under **PERSONAL**, touch **Accounts & sync** ➔ **ADD ACCOUNT**.
3. Select an account type (**Corporate**, **Email**, or **Google**), then follow the prompts to enter your credentials and sign in.
4. The phone communicates with the provider's server to set up your account on the phone.

Controlling synchronization

You can choose to have your phone automatically synchronize with your accounts, or manually synchronize each account when you want to check messages.

You may also choose to limit automatic or background synchronization to extend battery life.

1. From the Home screen, touch **Menu** → **System settings**.
2. Under **Personal**, touch **Accounts & sync**. The **Accounts & sync** screen appears.
3. To enable automatic synchronization, touch **Accounts & sync** OFF.

   To disable automatic synchronization, touch **Accounts & sync** ON.
4. Touch the desired account ID. The **Sync settings** screen for the selected account appears listing some or all of the following synchronization settings:
   - **Sync App Data**
   - **Sync Browser**
   - **Sync Calendar**
   - **Sync Contacts**
   - **Sync Email**
   - **Sync Gmail**
   - **Sync Google Photos**
   - **Sync Google Play Books**
   - **Sync Google Play Magazines**
   - **Sync People details**
5. Touch these settings to enable/disable synchronization of the associated file types. When enabled, a check mark appears in each setting check box.
   - With automatic synchronization enabled, your phone automatically synchronizes its related files with similar files on on-line file servers.
   - With automatic synchronization disabled, you can manually sync accounts by touching **Menu** → **Sync now** in the **Sync settings** screen for each account.

Managing accounts

1. From the **Accounts & sync** screen, touch the desired account ID. The **Sync settings** screen for the selected account appears. (For more information, refer to *"Controlling synchronization"* on page 33.)
2. To enable or disable a synchronization setting, touch it. When enabled, a check mark appears in the check box.
3. To invoke the enabled synchronization settings for the selected account, touch **Menu** → **Sync now**.
4. To remove the selected account from your phone, touch **Menu** → **Remove account**. A **Remove account?** pop-up prompts you to confirm the removal. To remove the selected account, touch **Remove account**.

People

To access People:

- From the Home screen, touch **People**. The People screen appears. The following options are available:

  Lists your Contact Groups and lets you manage them.

  Lists your Contacts and lets you manage them.

  Lists your Favorite Contacts and lets you manage them.

Adding Contacts

1. From the Home screen, touch **People** ➔ **People list** ➔ **Add a contact**.
   - If you have defined accounts (Google, Samsung, and so on), the **Save contact to** pop-up appears. Select **Phone** or the account to receive the new Contact entry.
   - If you have not defined any accounts, the **Save contact** pop-up appears. The following options are available:
     - **Keep local**: Saves your contacts in **"my device contacts"**.
     - **Add account**: Lets you define an account to which your device will save your contacts. The **Add new account** screen appears. (For more information, refer to *"Setting Up Your Accounts"* on page 32.)
2. Touch contact fields to select or enter information:
   - Touch **Photo ID** to choose a picture to identify the contact.
   - Touch **Name** to enter a name for the contact. Touch to enter **Name prefix**, **First name**, **Middle name**, **Last name,** or **Name suffix**.
   - Touch **Add organization** to enter a **Company** name and **Title** for this contact.
   - Touch **Phone** to enter a phone number, then touch to choose a label: **MOBILE**, **HOME**, **WORK**, **WORK FAX**, **HOME FAX**, **PAGER**, **OTHER**, **CUSTOM**, **CALLBACK**, **CAR**, **COMPANY MAIN**, **ISDN**, **MAIN**, **OTHER FAX**, **RADIO**, **TELEX**, **TTY TDD**, **WORK MOBILE**, **WORK PAGER**, **ASSISTANT**, or **MMS**. To add another number, touch **Add new**.
   - Touch **Email** to enter an address, then touch to choose a label: **HOME**, **WORK**, **OTHER**, **MOBILE**, or **CUSTOM**. To add another number, touch **Add new**.
   - Touch **Address** to enter an email address, then touch to choose a label: **HOME**, **WORK**, **OTHER**, **MOBILE**, or **CUSTOM**. To add another number, touch **Add new**.
   - Touch **Date** to enter an event, then touch to choose a label: **BIRTHDAY**, **ANNIVERSARY**, **OTHER**, or **CUSTOM**. To add another number, touch **Add new**.
   - Touch **Group name** to assign the contact to a group. (For more information about Groups, see *"Groups"* on page 41.)
   - Touch **Add another field** to add more fields, including **Phonetic Name**, **IM**, **Notes**, **Nickname**, **Website**, **Internet call**, or **Relationship**.
3. When you finish selecting and entering information, touch **DONE**.

Creating Contacts from Recent Calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, refer to *"Creating or Updating Contacts Using Recent calls"* on page 48.

Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Menu** ➔ **Add to contacts**, the Contacts list screen appears.
4. Touch **CREATE NEW CONTACT**.
5. Continue entering contact information. (For more information, refer to *"Adding Contacts"* on page 35.)

Tip: While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait, then touch **Menu** to select **Add 3-sec pause** or **Add wait**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch a contact to view its information, then touch **Menu** ➔ **Edit**.
3. Continue entering contact information. (For more information, refer to *"Adding Contacts"* on page 35.)

Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Menu** ➔ **Add to contacts**, the Contacts list screen appears.
4. Select a contact to update, the Add to contact pop-up appears, populated with the new number.
5. Touch to select a label for the new number.
6. To save the new number, touch **OK**.

Updating Contacts from Recent Calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, refer to *"Creating or Updating Contacts Using Recent calls"* on page 48.

Choosing Contacts to Display

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch **Menu**, then touch **Contacts to display**:
   - Choose **All contacts** to show all contacts.
   - Choose an account to only display contacts from that account.
   - Choose **Customize** to select contact types for each account, or the phone.

Exporting and Importing Contacts

You can export your contact list to an installed memory card, or import a list of contacts (previously exported) from a memory card.

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch **Menu** ➔ **Import/Export**.
3. Select an option, then follow the prompts to complete the operation:
   - **Import from storage**: Copy contacts that are saved in installed mass storage.
   - **Import from external storage**: Copy contacts that are saved on an installed memory card.
   - **Export to storage**: Copy contacts to installed mass storage.
   - **Export to external storage**: Copy contacts to an installed memory card.
   - **Share visible contacts**: Share contacts as Namecards. (For more information, refer to *"Sharing Contacts"* on page 40.)

Contacts Settings

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch **Menu**, then touch **Settings**: The **Display options** screen appears. The following options are available:
   - Touch **Sort list by** to sort contacts by first or last name.
   - Touch **View contact names as** to list contacts by first or last name.

Other Contacts Options

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch a contact to display it, then touch **Menu**:
   - **Edit**: Modify contact information. (For more information, refer to *"Updating Contacts"* on page 36.)
   - **Share**: Send the Contact's information over a **Bluetooth** connection or in an **Email** or **Gmail** message. (For more information, refer to *"Sharing Contacts"* on page 40.)
   - **Delete**: Erase the Contact record.
   - **Set ringtone**: Select a unique ringtone to identify calls from this Contact.
   - **All calls to voicemail**: Mark the contact so that all calls from the contact are automatically routed to Voicemail.

My Local Profile

My local profile is your own contact record, listed under **ME** in Contacts. You can send My local profile as a vCard via Bluetooth or as an attachment.

Creating My Local Profile

1. From the Home screen, touch **People** ➔ **People list**.
2. Under **ME** touch your Contact entry.
3. Touch **Menu** ➔ **Edit**. The **My local profile** screen appears.
4. Enter your information in the contact fields. (For more information, refer to *"Adding Contacts"* on page 35.)

Sending My Local Profile

You can send your profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment.

1. From the Home screen, touch **People** ➔ **People list**.
2. Under **ME** touch your Contact entry.
3. Touch **Menu** ➔ **Share**. The **Share contact via** pop-up appears.
4. Choose the desired sending method or app, then follow the prompts to send the profile.

Joining Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Joining contact records allows you to see all the contact's numbers and addresses together. Joining also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining contacts

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch a contact to display its information.
3. Touch **Menu** ➔ **Edit**, then touch **Menu** ➔ **Join**. A list of available contacts appears.
4. Select a contact to join to the displayed contact. The joined contact appears.
5. To join another contact, touch **Menu** ➔ **Join** and repeat the procedure above.
6. Touch **DONE** to save.

Separating contacts

1. From the Home screen, touch **People** ➔ **People list**.
2. Touch a joined contact to display its information.
3. Touch **Menu** ➔ **Edit**, then touch **Menu** ➔ **Separate**. You are prompted to confirm the separation.
4. To separate the contacts, touch **OK**.

Sharing Contacts

You can share copies of your contact records by using a Bluetooth connection to another device, or by including them as attachments to an Email or Gmail message.

Important! Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **People** → **People list**.
2. Touch **Menu** → **Import/Export** → **Share visible contacts**.
3. Choose a sending method or app from the **Complete action using** pop-up, then follow the prompts to send the contact records.

(For more information, refer to *"Connecting with a Bluetooth Device"* on page 91, *"Composing and Sending Email"* on page 55, or *"Composing and Sending Gmail"* on page 60.)

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the **Favorites** tab in the **People** screen for fast dialing or messaging, and are indicated by the .

Creating Favorites

1. From the Home screen, touch **People** → **People list**.
2. Touch a contact entry to display it, then touch at the top right of the screen, it changes color to .

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your phone comes with pre-loaded groups you can use to add your contacts.

Adding a New Group

1. From the Home screen, touch **People** ➔ **Groups**. The Groups list appears.
2. Touch **Add group**, then enter information:
   - Touch **Group's name** to enter a Group Name.
   - Touch **Type person's name** to search for Contacts to add as members of the group.
3. Touch **Done** to save the new group.

Editing a Group

1. From the Home screen, touch **People** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Edit**, then update information for the group. (For more information, see *"Adding a New Group"* on page 41.)

Deleting a Group

Tip: You can only delete groups that you have created.

1. From the Home screen, touch **People** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Delete**. You are prompted to confirm that you want to delete this Group.
4. To delete this Group, touch **OK**.

Note: Deleting a Group does not delete its member contacts.

Adding Contacts to a Group

1. From the Home screen, touch **People** → **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** → **Edit**.
4. Touch **Type person's name**. The default keypad appears at the bottom of the screen.
5. Enter the first few characters of a Contact's name. A list of matching contacts pops up.
6. Touch a contact to add it to the Group.
7. Repeat Steps 5 and 6 to add all the desired contacts.
8. Touch **Done** to save the Group with the added contact(s).

Removing Contacts from a Group

1. From the Home screen, touch **People** → **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** → **Edit**.
4. Touch the "X" to the right of a contact to remove it from the Group.
5. Touch **Done** to save your changes to the Group.

Section 4: Calling

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Phone Keypad** to enter the phone number.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Recent**.
- Voice dial using **Voice Dialer**.

Making Calls Using the Phone Keypad

1. From the Home screen, touch **Phone**, then touch the **Dialer** tab (top left of the screen).
2. Touch the digits of the telephone number on the **Keypad**.
3. Touch **Send** (bottom center of the Dialer screen) to place the call.

Making Calls from People

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

(For more information, refer to *"People"* on page 34.)

1. From the Home screen, touch **People** → **People list**.
2. Find the contact you want to call.
3. Touch the contact to open the Contact entry.

   – or –

   Touch **Photo ID**, then, in the Contact info pop-up, touch the tab.
4. Touch the number you want to dial.

Making Calls Using Voice Dialer

Place a call by speaking the name or number.

1. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Voice Dialer**.
2. The first time you access S Voice, follow the prompts to confirm the license agreement, and view information about S Voice.
3. Follow the prompts to speak a command. You can say commands such as:
   - **Call <Name >**: Call an entry in your Contacts list.
   - **Dial <Phone number>**: Call a spoken phone number.
   - **Redial**: Repeat a recent call.

Making Calls Using Favorites

Favorites are contacts that you designate as favorites by starring them. (For more information about creating favorites, see *"Favorites"* on page 40.)

1. From the Home screen, touch **People**.
2. Touch **Favorites** to display favorites.
3. Find the desired contact and touch it to open the Contact entry.
4. Touch the contact's number to dial it.

Making Calls from Recent Calls

Return a call, or call a number from a recent call stored in Recent calls.

(For more information, refer to *"Recent Calls"* on page 47.)

Multi-party Calling

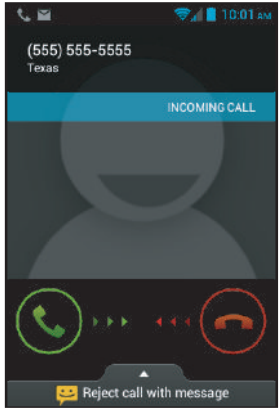
Use multi-party call features to set up a call between multiple callers, such as for a conference call.

1. Establish the first call, by answering an incoming call or making a call.
2. Touch **Add call**. The first call is placed on hold.
3. Make the second call by touching the phone number digits, then press .
4. Touch **MERGE CALLS** to merge the calls into one conference call.
5. To end the call touch .

Answering Calls

You can answer incoming calls when the phone is locked or unlocked.

- Touch and drag the **Answer** icon to the right.



Tip: To silence the ringtone for an incoming call, press the **Volume** key Up or Down.

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can reject the call to send the caller to voice mail, or reject the call and send a message to the caller.

Rejecting a call

- Touch and drag the **Reject** icon to the left.

Rejecting a call with a message

- Touch and drag **Reject call with message** toward the middle of the screen, then select an existing message, or **Custom message...**.

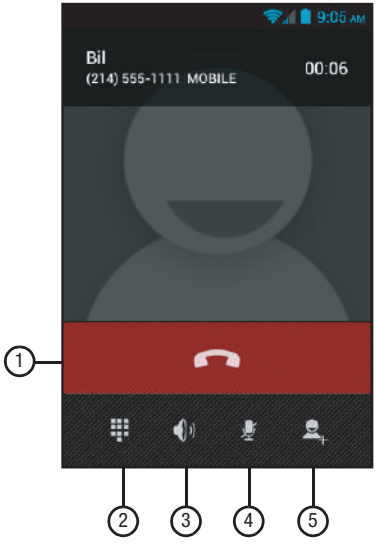
  (For more information about creating reject messages, see *"Quick responses"* on page 49.)

Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag the **Answer** icon to the right to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

Options During a Call



While in a call, you can use these features:

1. **End call**: End the phone call.
2. **Keypad**: Display a keypad to enter numbers.
3. **Speaker**: Enable or disable speakerphone.
4. **Mute**: Mute or unmute your voice on the call.
5. **Add call**: Display the Dialer to set up a multi-party call.

- **Headset**: Switch the call's audio to a Bluetooth headset.

Ending a Call

- Touch .

Recent Calls

When you place, answer, or miss a call, a record of the call is saved in Recent calls.

Accessing Recent calls

- From the Home screen, touch **Phone** ➔ **Recent** to display recent calls.

Making Calls using Recent calls

1. From the Home screen, touch **Phone**.
2. Touch **Recent** to list recent calls.
3. Touch a number or contact to list calls.
4. Touch the number to call.

Sending Messages using Recent calls

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Touch a number or contact to list calls.
3. Touch to create a message to the number.

Creating or Updating Contacts Using Recent calls

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Touch a number to list calls to/from that number.
3. Touch **Add to contacts**.
4. Choose **CREATE NEW CONTACT** or touch an existing contact.
5. Continue entering contact information. (For more information, see *"People"* on page 34.)

Managing Recent calls

Deleting one record

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Touch a call record you want to delete. The call record information pops up.
3. Touch **Menu**, then touch **Remove from call log**.

Deleting all records

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Touch **Menu**, then touch **Clear call log**.

Call Settings

Configure settings for calling with your phone.

- To access Call settings, from the Home screen, touch **Phone** → **Menu** → **Settings**. The **Call settings** menu appears.

Quick responses

Change the pre-composed text messages that appear when you respond to an incoming call by selecting **Reject call with message**.

1. From the **Call settings** menu, touch **Quick responses**. The **Edit quick responses list** appears.
2. Touch the message you want to change. The **Quick response** pop-up appears populated with the selected message. The default keypad also appears at the bottom of the screen.
3. Change or replace the text using the keypad. (For more information, refer to *"Entering Text"* on page 30.)
4. To save your changes, touch **OK**.

Voicemail

Configure options for voicemail.

- From the **Call Settings** menu, under **VOICEMAIL**, the following options are available:
  - **Voicemail service**: By default, your phone uses your wireless service provider's voicemail service. If you have another option for voicemail installed, select it here.
  - **Voicemail settings**: By default, the speed dial for calling voicemail (speed dial 1) is set to your phone number. If you wish to use another Voicemail service, touch **Voicemail number** to set a new one.
  - **Vibrate**: Choose an option for vibration to play for a voicemail notification.

Other call settings

- From the **Call Settings** menu, under **OTHER CALL SETTINGS**, the following options are available:
  - **TTY mode**: Choose a TTY mode to enable TTY mode, for use with optional TTY equipment.
  - **DTMF Tones**: Set the length of Dual-tone Multi-frequency tones, which play when you use the keypad during a call, such as when navigating an automated system or voice menu.

Internet call settings

Configure the settings your phone uses to establish SIP (Session Initiation Protocol) voice and/or video calls over the Internet.

- From the **Call Settings** screen, under **INTERNET CALL SETTINGS**, the following options are available:
  - **Accounts**: Choose whether to Receive incoming calls, and ADD ACCOUNTS (voice call or video call over the Internet accounts).
  - **Use Internet calling**: Choose how your phone will use your SIP account(s) (For all calls when data network is available, Only for Internet calls, or Ask for each call).

Section 5: Messaging

This section describes how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs**: Exchange Instant Messages with other users of popular messaging sites.
- **Email**: Send and receive email from your email accounts, including Corporate mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Voicemail**: Retrieve voice messages from callers.
- **Google Talk**: Chat with other Google Talk users.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages.

Creating and Sending Messages

1. From the Home screen, touch **Messaging** → **New message**.
2. Touch **To** and enter a name, phone number, or email address. As you enter text, matching contacts display. Touch a contact to add it to the list.
3. Touch **Type message**, then enter the message text. The following options are available (which options are available depends on whether you include an attachment):
   - Touch **Attach** to add a Picture, Capture picture, add Videos, Capture video, add Audio, Record audio, or add a Slideshow.

- Touch **Menu** for options:
  - **Add subject**: Add a subject field (converts the message to MMS.)
  - **Send**: Send your current message.
  - **Insert smiley**: Add a text emoticon to the message.
  - **Delete thread**: Delete the current conversation.
  - **Add to People**: Create a new contact for this number or address.
  - **Settings**: Configure messaging options. See *"Message Settings"* on page 53.

4. Touch to send the message.

Viewing Messages

Messages you send and receive to the same contact, number, or address are grouped together as a "conversation" (also known as "threads"). Conversations allow you to see all the messages that you exchange with a recipient in one place.

Viewing Conversations

1. From the Home screen, touch **Messaging**.
2. Conversations are listed by contact, number, or address.
3. To delete a conversation, touch and hold the conversation heading. The *Choose conversations* menu displays. Touch any additional conversation headings you wish to delete (selected items are highlighted blue), then touch .

   – or –

   To delete all conversations at once, touch **Menu** ➔ **Delete all threads**.
4. Touch **Menu** for options, including:
   - **Settings**: Configure messaging options. See *"Message Settings"* on page 53.
   - **Delete all threads**: All threads will be delete.

Viewing Messages

1. Touch any conversation to view its messages.
2. To send a new message or reply, enter your message and touch . See *"Creating and Sending Messages"* on page 51.
3. Touch and hold a message for these options:
   - **Copy text**: Copy the message text to the clipboard.
   - **Forward**: Forward the message to new recipient (outside of the conversation).
   - **Lock**: Prevent the message from being deleted.
   - **View details**: View the message type, contact, number, or address it was addressed to, and the time and date sent.
   - **Delete**: Delete the current message.

Message Settings

Configure settings for message storage, delivery, or alerts.

1. From the Home screen, touch **Messaging**.
2. Touch **Menu**, then touch **Settings** for options:
   - **STORAGE**:
     - **Delete old messages**: When enabled, messages are automatically erased when storage reaches default limits. When disabled, the phone will prompt you to delete old messages to make room.
     - **Text message limit**: Set the number of SMS messages per conversation.
     - **Multimedia message limit**: Set the number of MMS messages per thread.
   - **TEXT (SMS) MESSAGES**:
     - **Delivery reports**: When enabled, you receive a delivery report for text messages you send.

- **MULTIMEDIA (MMS) MESSAGES**:
  - **Delivery reports**: When enabled, you receive a delivery report for multimedia messages you send.
  - **Auto-retrieve**: When enabled, MMS messages download automatically. When disabled, the phone prompts for download.
  - **Roaming auto-retrieve**: When enabled, MMS messages download and display automatically when roaming. When disabled, the phone prompts you to download new MMS messages.
- **NOTIFICATIONS**:
  - **Notifications**: When enabled, message alerts display in the Status bar.
  - **Choose ringtone**: Choose a sound for message alerts.
  - **Vibrate**: Configure vibration for message alerts.
- **EMERGENCY MESSAGE SETTINGS**:
  - **Emergency alerts**: This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS), including Presidential Alerts, Imminent Alerts (Severe or Extreme), and AMBER Alerts (missing persons). You may choose not to receive Imminent and AMBER alerts, but Presidential Alerts cannot be disabled. All alerts are enabled by default (check mark shown).
  - **Emergency notification preview**: Listen to an example of a Emergency Alert tone (and vibration, if enabled). The Emergency Alert tone plays at the same volume as your call ringtone.
  - **Vibrate**: Configure vibration for Emergency Alerts.
  - **Alert reminder**: Choose whether, and at what interval, your phone plays a sound to notify you of a Emergency Alert after the Emergency Alert tone has stopped.

Email

Send and receive email using popular email services.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

Configuring the first email account

1. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Email**.
2. Follow the prompts to set up your email account.

Note: For more information on setting up your email, contact your Wireless Provider.

Configuring additional email accounts

1. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Email**.
2. Touch **Menu**, then touch **Settings**. The **Settings** screen appears.
3. Touch **ADD ACCOUNT**, then follow the prompts to set up your additional email account.

Composing and Sending Email

1. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Email**.
2. Touch **Add message**.
3. Touch fields to enter recipients, the subject, and the email text.
4. While composing a message, touch **Menu** for the following options:
   - **Attach file**: Add a file to the message.
   - **Add Cc/Bcc**: Add more recipients.
   - **Save draft**: Save this message to the Drafts folder for later reuse.
   - **Discard**: Erase this message without saving it to the Drafts folder.
   - **Settings**: Access the Email settings.
5. Touch **Send** to send the message.

Managing Emails

Refreshing Your Email Account

Refresh your account to update your phone from the servers.

1. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Email**.
2. Touch **Refresh**.

Email Account Settings

Use Account settings to configure handling of your email.

Note: Available settings depend on the email provider.

1. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Email**.
2. Touch **Menu** ➔ **Settings**. The Settings menu appears.
   - Touch **General** for options common to email accounts.
   - Touch an email account for options unique to that account.

Configuring a Corporate Account

Corporate accounts are email accounts that reside on Microsoft Exchange servers.

Note: The process for linking your phone to such an account is relatively simple; however, you will need to obtain your domain name, the server name, and security settings from your computer support personnel.

1. From the Home screen, touch **Menu** ➔ **System settings** ➔ **Accounts & sync**. The **Accounts & sync** screen appears.
2. Touch **ADD ACCOUNT** ➔ **Corporate**. The **Add an Exchange account** screen appears.
3. Enter the **Email address** for the account, followed by the **Password**.
4. Touch **Done** ➔ **Next**. The **Account setup** screen appears overlayed by a **Retrieving account information** pop-up. Once your account information has been retrieved. It populates the appropriate fields on the **Account setup** screen.

5. Enter your **Domain name** ahead of your account **Username** (which should already display on the screen).
6. Verify the **Server** name. Enter any needed changes.
7. Verify the enabled/disabled states of the following options:
   - **Use secure connection (SSL)**
   - **Accept all SSL certificates**

   Touch the check boxes to enable or disable the associated option. (A check mark indicates an option is enabled.)
8. Touch **Done** → **Next**.
9. Follow any additional prompts to complete the link.
10. When you are advised **Your account is set up, and email is on it's way!**, enter a name for the account, if desired.
11. Touch **Next**. The **Accounts & sync** screen appears with your new account listed.

Corporate Account Settings

The values you select or enter for these settings affect the appearance of your Corporate email messages and how your phone handles them.

1. From the Home screen, touch **Menu** → **System settings** → **Accounts & sync**. The **Accounts & sync** screen appears.
2. Touch a Corporate account. The **Sync settings** screen appears.
3. To change the **DATA & SYNCHRONIZATION** settings for the account, touch the following options:
   - **Sync Calendar**: When enabled, synchronizes your corporate calendar with your phone's calendar.
   - **Sync Contacts**: When enabled, synchronizes your corporate contacts list with your phone's Contacts list.
   - **Sync Email**: When enabled, synchronizes your corporate account's Email Inbox with your phone's corporate Email Inbox.
4. To access additional options for this account, touch **Account settings**. The **Settings** screen appears.
5. Touch **General**. The following options are available:

- **Auto-advance**: Select which screen (Newer message, Older message, Message list) appears after you delete a message.
- **Message text size**: Select how large incoming message text displays on the screen: Tiny, Small, Normal, Large, or Huge.
- **Reply all**: When enabled, "Reply all" is the default for replies to messages to this account.
- **Ask to show pictures**: Pictures inserted in incoming messages are not shown automatically.

6. For more options, touch the account name entry. The following options are available:
   - **ADD ACCOUNT**: Adds a new Corporate account.
   - **Account name**: Enter a name to identify the account.
   - **Your name**: Enter a name to identify you in your outgoing messages.
   - **Signature**: Enter or change signature text.
   - **Quick responses**: Edit pre-composed text for frequent insertion in messages you compose.
   - **Default account**: When enabled, this account acts as the default account for sending email from your phone.
   - **DATA USAGE**:
     - **Inbox check frequency**:
     - **Days to sync**:
     - **Sync email**: When enabled, synchronizes your corporate account's Email Inbox with your phone's corporate Email Inbox.
     - **Sync contacts**: When enabled, synchronizes your corporate contacts list with your phone's Contacts list.
     - **Sync Calendar**: When enabled, synchronizes your corporate calendar with your phone's calendar.
     - **Download attachments**: When enabled, automatically downloads attachments to recent messages, but only when your device is connected to a Wi-Fi network.
   - **NOTIFICATION SETTINGS**:
     - **Email notifications**: Enable or disable display of a new email icon in the Annunciator line when new mail arrives.
     - **Choose ringtone**: Assign a ringtone for new email notifications.
     - **Vibrate**: Enable or disable vibration with new email notifications.

- **SERVER SETTINGS**:
  - **Incoming settings**: This option lets you change the settings for the link with the Exchange server. (For more information, refer to *"Configuring a Corporate Account"* on page 56.)

Removing a Corporate Account

1. From the Home screen, touch **Menu** ➔ **System settings** ➔ **Accounts & sync**. The **Accounts & sync** screen appears.
2. Touch an Exchange account. The **Sync settings** screen appears.
3. Touch **Account settings**. The **Settings** screen appears.
4. Touch the Corporate account you want to remove. The settings screen for the selected account appears.
5. At the bottom of the account settings screen, under **REMOVE ACCOUNT**, touch **Remove account**. You are prompted to confirm that you want to remove this account.
6. To confirm the account removal, touch **OK**.

Gmail

Send and receive emails via Gmail, Google's web-based email.

- From the Home screen, touch **Gmail**. If you have already set up your Google account, such as when you set up your phone, the Gmail **Inbox** screen appears.

Setting Up Your Gmail Account

The first time you launch Gmail, your phone will prompt you to set up your Google account. (For more information, refer to *"Your Google Account"* on page 14.)

1. From the Home screen, touch **Gmail**.
2. Follow the prompts to sign in, or create a new account.
3. The phone communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your phone. To add another account, from within Gmail, touch **Menu** ➔ **Settings** ➔ **ADD ACCOUNT** option.

Refreshing Your Gmail Account

Refresh your account to update messages on your phone.

1. From the Home screen, touch **Gmail**.
2. Touch **Refresh**.

Managing Your Gmail Account

Use menu options to manage your Gmail.

1. From the Home screen, touch **Gmail**.
2. Touch **Menu** for options.

Composing and Sending Gmail

1. From the Home screen, touch **Gmail** ➔ **New message**.
2. Touch fields and to compose the message. While composing, touch **Menu** for options.
3. When your message is complete, touch **Send**.

Google Talk

Google Talk is a free web-based application for instant messaging offered by Google, please note that in future updates Google Talk will be changing to Hangouts. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. Log on to your Google account. (For more information, refer to *"Your Google Account"* on page 14.)
2. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Talk**.
3. Begin using Google Talk.
4. Press ➔ **Help** for more information on using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Log on to your Google account. (For more information, refer to *"Your Google Account"* on page 14.)
2. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Google+**.
3. Select the account you want to use to sign in to Google+.

   – or –

   Touch **Add account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit google.com/mobile/+/ for more information.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Log on to your Google account. (For more information, refer to *"Your Google Account"* on page 14.)
2. From the Home screen, touch **Apps**, and the **Apps** tab, then touch **Messenger**.

   – or –

   From the Google+ application, select **Messenger**.
3. Select the account you want to use to sign in to Messenger.

   – or –

   Touch **Create a new account** to create another account.
4. From the **Messenger** screen, tap **Learn more** for more detailed information on sending and receiving messages with Messenger.

Section 6: Applications and Widgets

This section provides descriptions of the applications and widgets that are pre-loaded onto your phone, and how to launch them. Detailed usage procedures are provided only for Samsung-provided applications. Whenever possible, procedures are provided for accessing usage instructions for Wireless Carrier-provided applications and widgets and third party applications and widgets.

If an application or widget is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. (For details, see *"Customizing the Home Screen"* on page 27.)

You can also add an application icon as a Primary Shortcut that will display on all Home screen panels. (For more information, refer to *"Editing the Primary Shortcuts"* on page 29.)

Accessing Applications

1. Touch **Home** ➔ **Apps**, and the **Apps** tab. The **Apps** screen displays.
2. Sweep your finger right or left to scroll the Apps screens.
3. To launch an application, touch the application's icon.

Browser

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

- From the Home screen, touch **Browser**. Your Wireless Provider's mobile home page displays.

Navigating the web

Selecting items on a page

While browsing web pages, use gestures and menus to navigate:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for options.

Command Keys

- Touch **Back** to return to the previous page.
- Touch **Menu** → **Forward** to advance to the next page.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to display the on-screen QWERTY keyboard and enter text.

Zoom

Note: Some web pages do not support the Zoom function.

- Using two fingers, make a pinch motion on the screen.
  - Pinch in to zoom in on a web page.
  - Pinch out to zoom out on a web page.
- Double tap on a web page to return to the original page size.

Entering an URL

Access a web site quickly by entering its URL.

1. If the **URL** field is not visible, touch the Browser screen and swipe downward until the **URL** field displays.
2. Touch the **URL** field. The on-screen keyboard displays.
3. Enter the desired web site URL. As you enter characters, potential matches display.
4. Continue entering characters, or touch a match to complete the URL, then touch **Go** to load the web page.

Copying text

Copy information from a web page.

1. From the Browser screen, browse to the desired web page.
2. Touch and hold on the desired text to enable the text selector, then use the on-screen tools.

Browser Options

- From the Browser screen, touch **Menu** for options:
  - **Refresh**: Reload the current web page.
  - **Forward**: Move to a web page you previously left by pressing **Back**.
  - **Bookmarks**: Access your bookmark list.
  - **Save to bookmarks**: Lets you add the current URL to your bookmark list.
  - **Share page**: Lets you share the page using Gmail or as a message.
  - **Find on page**: Search for text in the current page.
  - **Request desktop site**: Changes the browser screen view of the current page to desktop view (closely mimics the web page as it would display on a desktop computer).
  - **Save for offline reading**: allows you to store the current page in memory so that it can be read later even if you loose your Internet connection.
  - **Settings**: Lets you tailor the Internet browser to suit yourself. (For more information, refer to *"Browser Settings"* on page 67.)

Using Browser Windows

You can have multiple windows open at one time, and you can switch between windows.

- To open a new window, on the Internet screen, tap the top of the browser page, and then touch **Windows** → **New window**.
- To switch to another open window, touch **Windows**. Touch and swipe to the desired window thumbnail, then touch it to display the window.
- To close a window, tap the top of the browser page, and then touch **Windows**. Touch **Close** beside a window to close it.

Going Incognition

The Incognito feature lets you view Internet sites without leaving records in your browser history or search history, and without traces (such as cookies) being stored on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add an Incognito window:

1. From the Home screen,, touch **Browser**, then tap the top of the browser page touch **Windows**.
2. Press **Menu** ➔ **New incognito tab**.
   A new Incognito window displays.

Note: The incognito icon displays in the upper-left of the new browser window while you are in this mode.

3. Browse to the desired web site(s).

To exit from the Incognito window:

1. From the Home screen, touch **Browser**, then tap the top of the browser page touch **Windows** and locate the Incognito window.
2. Tap next to the incognito window to delete it.

Using Bookmarks

While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From the Home screen,, touch **Browser**.
2. Browse to the desired web site, then touch **Menu** ➔ **Save to bookmarks**. The **Bookmark this page** screen displays.
3. Edit the **Name** and **Address** of the new bookmark as needed, then select the **Account** and **Add to** location where you want it added.
4. Touch **OK** to save the new bookmark.

Accessing bookmarks

Launch a bookmarked page, or reload recent pages.

1. From the Home screen, touch **Browser**.
2. Tap the top of the browser page and then touch **Windows** ➔ **Bookmarks**.
3. On the tabs, use these options:
   - Touch an item to load the page.
   - Touch and hold on an item for options.
   - Touch **Menu** for more options.

Deleting Bookmarks

1. From the Home screen, touch **Browser**.
2. Tap the top of the browser page and then touch **Windows** ➔ **Bookmarks**.
3. From the Bookmarks page, touch and hold the bookmark you want to delete.
4. Touch **Delete bookmark**.
5. In the **Delete** confirmation pop-up, touch **OK**.

Browser History

The History list displays a list of the most recently viewed websites or the most visited sites. These entries can be used to return to previously unmarked web pages.

1. From the Home screen, touch **Browser**.
2. Tap the top of the browser page and then touch **Windows** ➔ **Bookmarks**.
3. Touch the **HISTORY** tab and select **Today** or **Most visited**.

Saved Pages

You can view web pages offline that you saved while browsing online.

1. From the Home screen, touch **Browser**.
2. Tap the top of the browser page and then touch **Windows** ➔ **Bookmarks**.
3. Touch the **SAVED PAGES** tab to view the offline, saved pages.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. From the Home screen, touch **Browser**.
2. From the Internet browser screen, touch **Menu** → **Settings**. The following options are available:
   - **General**:
     - **Set homepage**: Sets the current home page for the Web browser.
     - **Form auto-fill**: Lets you fill in web forms with a single touch.
     - **Auto-fill text**: Lets you enter text to be used in the Form auto-fill feature.
   - **Privacy & security**:
     - **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.
     - **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.
     - **Show security warnings**: Notifies you if there is a security issue with the current web site.
     - **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.
     - **Clear all cookie data**: Deletes all current browser cookie files.
     - **Remember form data**: Allows the device to store data from any previously filled out forms. Remove the check mark to disable this function.
     - **Clear form data**: Deletes any stored data from previously filled out forms. Tap OK to complete the process.
     - **Enable location**: Allows web sites to request access to your location.
     - **Clear location access**: Clears location access for all web sites. Tap **OK** to complete the process.
     - **Remember passwords**: Stores user names and passwords for visited sites. Remove the check mark to disable this function.
     - **Clear passwords**: Deletes any previously stored user names or passwords. Tap **OK** to complete the process.

- **Accessibility**:
  - **Force enable zoom**: Lets you override the web site's request to control zoom.
  - **Text size**: Lets you preview the text size, scale the text size using a slider bar, and minimize the font size using a slider bar.
  - **Zoom on double-tap**: Use the slider bar to set the percentage of zoom when you double-tap the screen.
  - **Minimum font size**: Use the slider bar to set the minimum font size to view.
  - **Inverted rendering**: Lets you preview a web page, select Inverted rendering (black becomes white and vice versa), and adjust the Contrast using a slider bar.
- **Advanced**:
  - **Set search engine**: Lets you set your default search engine to Google, Yahoo!, or Bing.
  - **Open in background**: New pages are launched in a separate page and displayed behind the current one. Remove the check mark to disable this function.
  - **Enable JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the check mark to disable this function.
  - **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.
  - **Website settings**: View advanced settings for individual web sites.
  - **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.
  - **Open pages in overview**: Shows an overview of newly opened web pages.
  - **Auto-fit pages**: Allows web pages to be resized to fit as much of the screen as possible.
  - **Block pop-ups**: Prevents popup advertisement or windows from displaying on-screen. Remove the check mark to disable this function.
  - **Text encoding**: Adjusts the current text encoding.
  - **Reset to default**: Clears all browser data and resets all settings to default.

- **Bandwidth management**:
  - **Search result preloading**: Lets the browser preload high confidence search results in the background to help speed up searches.
  - **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.
- **Labs**:
  - **Quick controls**: Lets you open quick controls and hide the app and URL bars by swiping your thumb from the left or right edge of the screen.
  - **Fullscreen**: Lets you access Full screen mode and hide the status bar.
  - **Slide Tab Transitions**: Lets you swipe across the Browser screen to display contents of next/previous tab.

Calculator

Use your phone's Calculator to perform arithmetical calculations (addition, subtraction, multiplication, and division).

- From the **Apps** screen, touch **Calculator**.

Calendar

Record events and appointments to manage your schedule.

Tip: A Calendar widget is available in Widgets. (For more information about placing widgets on the Home screen, see *"Widgets"* on page 28.)

1. From the **Apps** screen, touch **Calendar**.
2. From the Calendar screen upper right corner, touch to choose a calendar view:
   - **Day**: Display today's schedule, and scroll to other days.
   - **Week**: Display the current week, and scroll to other weeks.
   - **Month**: Display the current month and scroll to other months.
   - **Agenda**: Display events and tasks in a chronological list.

3. Touch **Menu** for these options:
   - **New event**: Add an event to your calendar.
   - **Refresh**: Synchronize your phones calendar with your account calendars. (For more information, refer to *"Setting Up Your Accounts"* on page 32.)
   - **Search**: Search for calendar events.
   - **Calendars to display**: Select the calendars to merge into this view.
   - **Settings**: Customize the calendar.

Customizing the Calendar

1. From the **Apps** screen, touch **Calendar**.
2. Touch **Menu**, then touch **Settings** to configure these settings:
   - **ADD ACCOUNT**: Touch to add a Corporate or Google account to synchronize with your Calendar. (For more information, refer to *"Accounts & Sync"* on page 109.)
   - **General settings**:

     CALENDAR VIEW SETTINGS

     – **Hide declined events**: Enable or disable display of events.

     – **Show week number**: Display the number of the week (1 – 52) in a **W** column to the left of **Sun**.

     – **Week starts on**: Choose the day on which to begin each week (Locale default, Saturday, Sunday, or Monday).

     – **Use home time zone**: When enabled, sets event times and dates to a selected time zone, so that times and dates will not change if you move to another time zone.

     – **Home time zone**: When **Use home time zone** is enabled, select the time zone for all events.

     – **Clear search history**: Remove all of the Calendar searches you have performed.

     REMINDER SETTINGS

     – **Notifications**: When enabled, lets you select how Calendar notifies you of Calendar events.

     – **Choose ringtone**: When **Notifications** is enabled, choose a ringtone for event notifications, then touch **OK**.

     – **Vibrate**: Enable/disable vibration for event notifications (Always, Only when silent, or Never).

     – **Pop-up notification**: Enable/disable display of notifications on the full screen while the screen is blanked.

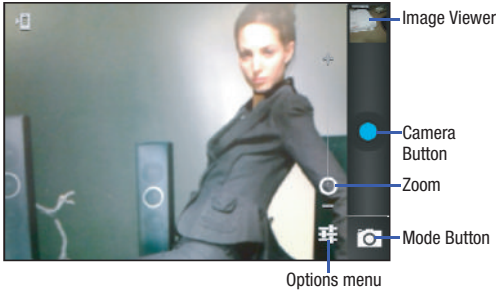
     – **Default reminder time**: Choose a default reminder time for Calendar events (default time is 15 minutes).

   - **About Calendar**: Displays the calendar's software Build version.

Camera

Use your phone's built-in Camera to take pictures and record video.

- From the **Apps** screen, touch **Camera**.



Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Taking Pictures

1. From the **Apps** screen, touch **Camera**.
2. Before taking the photo, touch to access various camera options and settings.
3. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
4. Touch the **Camera** button ( ) to take the picture. If no memory card is installed, all pictures are stored on the Phone.
5. Touch the **Image Viewer** to view the picture after capture. While viewing the picture, select from these options:

Bluetooth to shared this picture with another Bluetooth enabled device.

Picasa to post a copy of this picture to the Picassa server for sharing. (For more information, go to Google Picasa Help.)

Messaging to attach a copy of this picture to a multimedia message. (For more information, refer to "Text and Multimedia Messaging" on page 59.)

Google+ to attach a copy of this picture to a social network posting. (For more information, refer to *"Google+"* on page 79.)

Gmail to attach a copy of this picture to a Gmail message.

Gallery to proceed to your Gallery of photos, images, and videos. (For more information, refer to *"Gallery"* on page 77.)

Touch anywhere on the screen away from the picture and the icons to return to the Camera viewfinder screen.

Camera Options

- While in Camera mode, touch **Options**. The following options are available:

- **Camera settings**:
  - **Store location**: Add GPS location information to photo details.
  - **Picture size**: Choose a picture resolution setting for photos (VGA, 2M Pixels, or 3M Pixels).
  - **Storage**: Choose to store your pictures in Phone memory or on an optional Memory card.
- **Restore defaults**: Reset all Camera settings to their default values.

SCN (Scene mode): Choose a value to match the location and time (Auto, Night, Sunset, or Party).

Exposure: Choose a value to match the brightness of the light (-3, -2, -1, 0, +1, +2, or +3).

White balance: Choose a value to match the light source (Auto, Incandescent, Daylight, Fluorescent, or Cloudy).

Camcorder

Use your phone's built-in Camcorder to record video.

- From the **Apps** screen, touch **Camera** → **Mode** → .

Important! Do not take videos of people without their permission.

Do not take videos in places where cameras are not allowed.

Do not take videos in places where you may interfere with another person's privacy.

Capturing Video

1. From the **Apps** screen, touch **Camera** → **Mode** → .
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
3. Touch the **Camcorder** button ( ) to start recording.
4. Touch **Stop** to stop recording.
5. After recording, touch the **Image Viewer** and then touch to play the video.

Note: Zooming is not supported while recording Full HD video. Adjust to a lower resolution to regain this functionality.

6. While in Camcorder mode, use the following options:

Bluetooth to shared this video with another Bluetooth enabled device.

Messaging to attach a copy of this video to a multimedia message. (For more information, refer to *"Text and Multimedia Messaging"* on page 51.)

Google+ to attach a copy of this video to a social network posting. (For more information, refer to *"Google+"* on page 79.)

YouTube to share this video on YouTube.

Gmail to attach a copy of this video to a Gmail message.

Gallery to proceed to your Gallery of photos, images, and videos. (For more information, refer to *"Gallery"* on page 77.)

Touch anywhere on the screen away from the video and the icons to return to the Camcorder viewfinder screen.

7. Touch **Play** to watch the new video. While viewing the video, these options are available:

Play to review the video.

Pause to pause video playback.

Back to return to the Camcorder viewfinder screen to record more videos.

Camcorder Options

Configure the camcorder.

- While in Camcorder mode, touch **Options**. The following options are available:

- **Camcorder settings**:
  - **Storage**: Choose to store your videos in Phone memory or on an optional Memory card.
  - **Restore defaults**: Reset all Camcorder settings to their default values.

VGA Video quality: Allows you to adjust the quality of the recorded video. Choose from: 640x480, 352x288, 320x240, or 176x144.

White balance: Choose a value to match the light source (Auto, Incandescent, Daylight, Fluorescent, or Cloudy).

To return to the Camcorder viewfinder screen, touch anywhere on the screen away from the video and the icons.

Accessing Videos

When you shoot a video, the file is saved in the Camera folder. You can view your videos immediately or view them anytime in the Camera folder.

1. From the **Apps** screen, touch **Gallery**.
2. Select a folder location and tap a video icon.
3. Touch the play icon.

   – or –

   Touch and hold the video icon from the main Gallery to select the video (blue border), and select the following video menu context options:

- **Send via** allows you to share a video using Bluetooth.

- **Menu**:
  - **Delete:** Delete the video.
  - **Details:** View file details, such as Title, Time, Duration, File size, and Path.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

1. From the **Apps** screen, touch **Chrome**.
2. Read the **Google Chrome Terms of Service** and tap **Accept and Continue**.
3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and omnibox data from your computer to your phone, otherwise tap **No thanks**.
4. Follow the on-screen instructions to use Google Chrome.

Clock

The Clock application includes these features:

- **Alarm**: Create alarms to go off once, or to repeat.
- **Desk clock**: Choose whether the clock calendar and weather displays on the screen, and what outputs are active, when you connect your phone to an optional dock.

■ From the **Apps** screen, touch **Clock**.

Cricket Navigator

Cricket Navigator is a downloadable application that turns your handset into a powerful GPS navigation tool with audible turn-by-turn driving directions, local search and maps—just like an advanced GPS navigation system.

Cricket Navigator gives you audible, turn-by-turn directions to any destination, along with detours if traffic's heavy, and re-routing if you miss a turn. You can perform a local search by business category, address, intersection or airport code and then call found locations with a press of the send key!

Cricket Navigator points out landmarks along your route, like restaurants, gas stations (with prices) and more. Color 3D maps with pan and zoom options show you where you are, at any given moment.

■ From the **Apps** screen, touch **Cricket Navigator**.

Cricket411

Access your Wireless Provider's web-based Information site.

- From the **Apps** screen, touch **Cricket411**.

Downloads

View and manage files and other items you download to your phone.

1. From the **Apps** screen, touch **Downloads**.
2. Touch an item to open it (if an appropriate application is installed.)

Note: Applications you download from Google Play Store are managed with the Play Store app, and do not display in **Downloads**.

Email

Send and receive email using popular email services.

(For more information, see *"Email"* on page 55.)

- From the **Apps** screen, touch **Email**.

Gallery

The Gallery is where you view photos and videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

Note: You can increase Gallery photo and video storage by installing a memory card. For more information, see *"Installing a Memory Card"* on page 7.

1. From the Home screen, touch **Apps** ➔ **Gallery**. All of the Albums that hold your pictures and videos will be displayed with folder name(s) and number of files.
2. Tap an Album and thumbnails of the contents will be displayed.

Viewing Pictures

1. From the Gallery screen, select an album, then touch a picture to view it.
2. While viewing a picture, touch on the screen. The following option is available:
   - Touch **Share** to send the picture using Bluetooth, Picasa, Messaging, Google+, or Gmail.
3. While viewing a picture, touch **Menu**. The following options are available:
   - **Delete**: Erase the picture.
   - **Slideshow**: View all of your pictures as a slideshow.
   - **Edit**: Enhance your photo by adjust the brightness (using Fill Light, adjusting the Highlights and Shadows, or using Auto-fix). Apply optical effects such as Cross-process, Posterize, Lomo, Documentary, Vignette, Film Grain, or Fisheye). Apply a color effect (Warmth, Saturation, B&W, Sepia, Negative, Tint, Duo-tone, or Doodle). You can also Crop the photo, use Red Eye correct, add a Face Glow or Face Tan, or Straighten, Rotate, Flip, or Sharpen the photo.
   - **Rotate left** / **Rotate right**: Change the picture's orientation.
   - **Crop**: Change the picture's size and/or remove portions of the picture.
   - **Details**: Display the details of a picture such as Title, Time, Width, Height, Orientation, etc.
   - **Set picture as**: Set the picture as a Contact photo or Wallpaper.

Viewing Videos

1. From the Gallery screen, then select an album. A matrix or list of available videos displays.
2. To select a video, touch its thumbnail image. The following option is available:
   - Touch **Share** to send the picture using Bluetooth, Messaging, Google+, YouTube, or Gmail.
   - Touch **Menu** for the following additional options:
     - **Delete**: Erase the video.
     - **Details**: View information about the video.
3. Touch **Play** to watch the video. While viewing the video, these options are available:
   - Touch **Pause** to pause video playback.
   - Touch **Back** to return to the video thumbnail.

Gmail

Send and receive emails via Gmail, Google's web-based email.

(For more information, see *"Gmail"* on page 59.)

- From the **Apps** screen, touch **Gmail**.

Google Settings

Google Settings provides a quick access to settings for Google+, apps with Google+ Sign-In, Maps & Latitude, Play Games, and Ads.

You must be signed in to the application in which you want to configure (ex: Google+ to configure Google+ settings) before you can configure it through settings.

1. From the **Apps** screen, touch **Google Settings**.
2. Touch a category to configure (for example, Google+), and configure the settings.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. From the **Apps** screen, touch **Google+**.
2. For more information, touch **Menu** ➔ **Help**.

Local

Find places of interest near your current location or a specified locations.

Note: To use Local, enable location services. (For more information, refer to *"Location services"* on page 109.)

1. From the **Apps** screen, touch **Local**.
2. For more information, touch **Menu** ➔ **Help**.

Maps

Use Google Maps to find your current location, get directions, and other location-based information. The Google Maps shortcut displays by default on the Home screen.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. (For more information, see *"Location services"* on page 109.)

- From the **Apps** screen, touch **Maps**.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Pinch to zoom out.
- Pinch out (spread your fingers) to zoom in.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch

- Touch an icon on the map to display information about the location.

Messaging

Messaging lets you exchange text and multimedia messages with compatible device users. (For more information, refer to *"Messaging"* on page 51.)

- From a Home screen, touch the **Messaging** shortcut.

  – or –

  From the **Apps** screen, touch **Messaging**.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. (For more information, refer to *"Google+"* on page 79.)

- From the **Apps** screen, touch **Messenger**.

Mobile Web

Cricket Mobile Web allows you to browse using either the standard browser or Chrome.

- From the **Apps** screen, touch **Mobile Web**.

Muve Music

Create playlists, Ringtones and more, and edit them all right on the phone. Browse or download playlists and share music with your friends.

Songs are stored locally on your phone or memory card.

1. From the **Apps** screen, touch **Muve Music**.
2. Touch **Accept** to accept Google's terms of service.
3. Touch a category to get started and follow the prompts.

My Account

My Account lets you access, review, and manage your Cricket account.

- From the **Apps** screen, touch **My Account**.

Navigation

Use Google Navigation to search for locations, and get turn-by-turn directions.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. (For more information, see *"Location services"* on page 109.)

- From the **Apps** screen, touch **Navigation**.

People

People lets you access and manage your Contacts Groups, Contacts list, and Favorites list. (For more information, refer to *"People"* on page 34.)

- From the **Apps** screen, touch **People**.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. (For more information, refer to *"Calling"* on page 43.)

- From a Home screen, touch the **Phone** shortcut.

  – or –

  From the **Apps** screen, touch **Phone**.

Play Books

Discovering your favorite books and authors has never been easier. With Google Play Books, you can shop the world's largest selection of ebooks and read them anywhere you like—on a tablet, phone, ereader, or the Web.

- From the **Apps** screen, touch **Play Books**.

Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place.

- From the **Apps** screen, touch **Play Magazines**.

Play Music

1. From the **Apps** screen, touch **Play Music**.
2. Select a tab to display your music files.
3. Touch a song or playlist to begin playback.

Creating a Playlist

Playlists are used to assign music files into groups for playback.

1. From the **Apps** screen, touch **Play Music**.
2. Touch the **Playlists** tab.
3. Touch **Menu** ➔ **New playlist**.

   The New playlist pop-up displays.
4. Touch the **Playlist name** field to enter a name for the playlist.
5. 5. Touch **OK** to save the new playlist.

Adding Music to a Playlist

You can add a song to a new or existing playlist while the song is playing.

1. From the **Apps** screen, touch **Play Music**.
2. Touch next to an album or song.
3. Touch **Add to playlist**.

   The Add to playlist pop-up displays.
4. Touch the **New playlist** field to enter a name.

   – or –

   Touch the playlist to which you want to add the song.

Removing Music from a Playlist

1. From the **Apps** screen, touch **Play Music**.
2. Touch the **Playlists** tab.
3. Touch the playlist name in which to delete music.
4. Touch and hold a song, then touch **Remove from playlist**.

Editing a Playlist

1. From the **Apps** screen, touch **Play Music**.
2. Display the **Playlists** tab.
3. Touch next to a playlist title.

   The following options display:

   - **Add to queue**: Add the songs in the playlist to the play queue.
   - **Rename**: Use the keyboard to enter a new name for the playlist.
   - **Delete**: Touch **OK** to delete the playlist. Only the playlist is deleted. To delete individual songs.

Play Store

Explore Google Play Store, where all your favorite books, movies, apps, and games are all in one place that's accessible from the Web and your Android phone. You'll need to have a Google account set up on your phone to download new applications.

1. From the **Apps** screen, touch **Play Store**.
2. The first time you open Play Store, read the Terms of Service, then touch **Accept** to continue.
3. Browse for applications to download, then follow the prompts.

Search

Use Google to search the Web.

Tip: The Google Search widget is available by default on the Home screen. For more information Widgets, see *"Adding Widgets to the Home screen"* on page 28.

1. From the Home screen, touch the **Google Search** widget.

   – or –

   From the **Apps** screen, touch **Search**.
2. Enter search criteria. Search results display automatically. Touch a search result to display it in a browser window.

Settings

Configures all the device and system settings. For more information, refer to *"Settings"* on page 95.

- From the **Apps** screen, touch **Settings**.

Shop

Shop gives you secure, direct acces to your Wireless Provider's web site where you can shop for games, ringback tones, ringtones, and graphics.

Note: If you are connected to a Wi-Fi network, Shop requires you to log in for access. If you use your Wireless Provider's data network, you are automatically logged in.

- From the **Apps** screen, touch **Shop**.

Talk

Use Google Talk to chat with other Google Talk users, please note that in future updates Google Talk will be changing to Hangouts.

For more information, see *"Google Talk"* on page 60.

- From the **Apps** screen, touch **Talk**.

UNO

Play the classic card game on your phone.

- From the **Apps** screen, touch **UNO**.

Voice Dialer

Voice Dialer is advanced speech recognition software that recognizes your spoken commands to dial phone numbers, create messages, and open phone features and apps such as Contacts, Calendar, and Play Music.

To use Voice Dialer, speak naturally into your phone, at a distance of 3-12 inches. There is no need to "train" Voice Dialer, it is designed to recognize natural speech.

1. From the **Apps** screen, touch **Voice Dialer**.
2. Follow the prompts to speak a command.

Note: If Voice Dialer does not recognize your command, it will prompt you to confirm with a list of possibly matching commands.

Voicemail

Check your voicemail messages and access other voicemail services.

- From the **Apps** screen, touch **Voicemail**.

YouTube

Access your YouTube™ account, and view and upload YouTube videos, right from your phone.

- From the **Apps** screen, touch **YouTube**.

Accessing Widgets

1. Press **Home** ➔ **Apps**, then the **Widgets** tab. The **Widgets** screen displays.
2. Sweep your finger right or left to scroll through the Widgets screens and find the desired widget.
3. To place a widget on the selected Home screen panel, touch and hold the widget's image or icon, then position the widget on the Home screen panel.
4. If needed, follow any prompts to configure the widget.

Widgets List

The following widgets are available for executing on your Home screen:

- **Analog clock 2 x 2**: View the time on an analog clock face without numbers.
- **Book 1 x 1**: Directly access one of your downloaded electronic books from **Play Store**.
- **Bookmark 1 x 1**(red background): Directly access on of your Browser bookmarks.
- **Bookmark 1 x 1**(white background): Directly access on of your Browser bookmarks.
- **Bookmarks 3 x 2**:
- **Bookmarks 3 x 2**:
- **Calendar 2 x 3**: View your Calendar events scheduled for today.
- **Contact 4 x 1**: Directly access a selected contact for calls or messaging.
- **Contact 1 x 1**: Directly access a selected contact for calls or messaging.
- **Cricket Navigator 1 x 1**: Launches the Cricket Navigator.
- **Direct Dial 1 x 1**: Immediately call a selected contact.
- **Direct message 1 x 1**: Immediately send a message to a selected contact.
- **Directions & Navigation 1 x 1**: Immediately obtain directions to a selected location.
- **Email 3 x 2**: View and directly access email messages in your Combined email box.
- **Email account 1 x 1**: View and directly access Email messages from the selected folder type.
- **Gmail 3 x 3**: View and directly access your Gmail messages.
- **Gmail label 1 x 1**: Directly access Gmail messages with a selected Gmail label.
- **Google Play Books 2 x 3**: Directly access your Google books.
- **Google Play Music 4 x 2**: Directly access Play Music.

- **Google Search 4 x 1** (transparent background): Perform and manage Internet searches.
- **Google+ posts 4 x 2**: View and access your social media site accounts.
- **Home screen tips 4 x 2**: Places tips on the selected Home screen.
- **Music playlist 1 x 1**: Play a selected music playlist.
- **Photo Gallery 3 x 3**: Directly access images stored to the Photo Gallery.
- **Play Store 2 x 2**: View recommendations from and access Google Play Store.
- **Power control 4 x 1**: Control power settings from the Home Screen.
- **Settings shortcut 1 x 1**: Directly access selected settings for your phone.
- **Software update 1 x 1**: Directly access your device software status information and access **Software update**.
- **Traffic 1 x 1**: Directly access traffic information for a selected destination.
- **YouTube 3 x 2**: Receive and view suggested videos. Directly access your YouTube account.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your phone supports the 802.11 a/b/g/n Wi-Fi protocols.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. (For more information, see *"Wi-Fi Settings"* on page 96.)

Turning Wi-Fi On or Off

When you turn Wi-Fi service on, your phone automatically searches for available, in-range "hotspots" [also termed WAPs (Wireless Access Points)].

Turning Wi-Fi On

- From the Home screen, touch **Menu** ➔ **System settings** ➔ **Wi-Fi** OFF to turn Wi-Fi On.

Turning Wi-Fi Off

- From the Home screen, touch **Menu** ➔ **System settings** ➔ **Wi-Fi** ON to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

1. Turn Wi-Fi on (see *"Turning Wi-Fi On"* on page 88). Your phone scans for available hotspots and displays a list of any it finds.
2. To connect to a hotspot, touch it on the network list.
   - If the Wi-Fi network is open, you will be automatically connected.
   - If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, touch **Menu** → **System settings** → **Wi-Fi**. The **Wi-Fi** options screen appears. (For more information, refer to *"Accessing Settings"* on page 95.)
2. Touch **Wi-Fi** OFF to turn on Wi-Fi.
3. Touch **ADD NETWORK**, then enter the following values:
   - **Network SSID**: Enter the name of the WAP (Wireless Access Point).
   - **Security**: Select the type of security used by the WAP.
   - **Password**: If the WAP is secured, enter the password or key.

Bluetooth

Note: For Hearing Aid Compatibility Information, see page 141.

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. (For more information, see *"Bluetooth settings"* on page 98.)

Note: Bluetooth profiles are specifications for services supported by individual devices. (For a list of profiles your phone supports, see *"Bluetooth profiles"* on page 97.)

Turning Bluetooth On or Off

1. From the Home screen, touch **Menu** ➔ **System settings**. The **Settings** screen appears.
2. Touch **Bluetooth** OFF to turn Bluetooth On.
   Touch **Bluetooth** ON to turn Bluetooth Off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

After pairing, your phone and the target device will connect with each other and exchange information without a passcode or PIN.

Note: When connected, the **Bluetooth connected** icon displays in the Status Bar. If you receive a new request for connection while connected with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the connection request.

1. Activate the target device's discoverable mode.
2. On your phone, turn on Bluetooth (see *"Turning Bluetooth On or Off"* on page 90). A list of detected devices displays on the screen.
3. From the list of detected devices, touch the target device, your phone attempts to automatically pair with the target device.

   If automatic pairing fails, then follow the prompts to complete manual pairing:
   - Enter a PIN for the target device and touch OK.

Tip: Some devices use a default passcode of 0000. Refer to the target device's user manual for more information.

   - When prompted to connect with the target device, touch **OK** to complete the connection, touch **Cancel** to retain the pairing only.

Connecting with a Bluetooth Device

1. From the Home screen, touch **Menu** ➔ **System settings** ➔ **Bluetooth**. The **Bluetooth** screen displays.
2. Under **Available devices**, touch a previously paired device. The device connects with your phone.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

For information about configuring your phone's VPN settings, see *"VPN"* on page 101.

Accessing a VPN

1. From the Home screen, touch **Menu** ➔ **System settings**.
2. Under **WIRELESS & NETWORKS**, touch **More...** ➔ **VPN**. The **VPN** screen appears, listing available VPN connections.
3. Touch a VPN and follow any prompts to access the network.

PC Connections

You can connect your device to a PC using an optional PC data cable using a USB connection.

Storage: Lets you use the built-in mass storage and memory card capacity of the phone to store and upload files. This option lets your computer treat your phone's installed and card memory as removable storage drives.

Connecting as a Storage Device

You can connect your device to a personal computer, have your device display as a removable disk, and access your device's file directory. If you insert a memory card in the device, you can also access the files directory on the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC, prompting you to choose how to access the new device.
2. On the PC pop-up, click **Open device to view files**. You can now transfer files between the PC and your phone's memory and memory card (if installed).

Tethering

Use Tethering to share your phone's internet connection with a computer connected to your device using the USB data/charging cable.

For more information, refer to *"Tethering"* on page 101.

1. From the **Settings** screen, under **WIRELESS & NETWORKS**, touch **More... → Tethering & portable hotspot**. The **Tethering & portable hotspot** screen appears.
2. Connect the computer to the phone via USB data cable.
3. Touch **USB Tethering** to turn tethering On or Off. When On, a check mark appears in the check box.

Note: Using Tethering requires a subscription to your Wireless Provider's mobile data service.

Portable Wi-Fi hotspot

Use Portable Wi-Fi hotspot to share your phone's internet connection with a PC or other device through Wi-Fi, using your phone as the mobile hotspot.

Note: Portable Wi-Fi hotspot requires a subscription to the applicable service to use the application.

Portable Wi-Fi hotspot consumes battery power and uses data service. While the Portable Wi-Fi hotspot is active, your phone's applications will use the Portable Wi-Fi hotspot data feature allowance.

Configuring Portable Wi-Fi hotspot settings

Configure your phone's Portable Wi-Fi Hotspot settings, including your phone's name and password, and set the visibility of your phone's Wi-Fi hotspot.

Tip: By default, your device's mobile hotspot has no security applied, and any device can connect. (For more information about configuring your mobile hotspot, see *"Portable Wi-Fi Hotspot"* on page 102.)

Activating Portable Wi-Fi hotspot

Activate your phone's Portable Wi-Fi Hotspot application to allow other devices to use your phone's internet connection.

1. From the Home screen, touch **Menu** ➔ **System settings**.
2. Under **WIRELESS & NETWORKS**, touch **More...** ➔ **Tethering & portable hotspot** ➔ **Portable Wi-Fi hotspot**. When enabled, a check mark appears in the check box.

Connecting a Device via Portable Wi-Fi hotspot

Use the other device's Wi-Fi control to connect to your phone's Portable Wi-Fi hotspot.

1. Activate Portable Wi-Fi hotspot on your phone. (For more information, see *"Activating Portable Wi-Fi hotspot"* on page 93.)
2. Activate Wi-Fi on the other device, using that device's Wi-Fi control.
3. Scan for Wi-Fi hotspots, and select your phone from the list. (To find your phone's name, see *"Configuring Portable Wi-Fi Hotspot"* on page 102.)
4. At the prompt, enter your phone's Portable Wi-Fi Hotspot password.

   By default, the password is your phone's telephone number. (For information on changing your phone's Portable Wi-Fi Hotspot password, see *"Configuring Portable Wi-Fi Hotspot"* on page 102.)

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, videos, and other files.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Installing a Memory Card"* on page 7.

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

Formatting a Memory Card

Use the Format SD card setting to remove all content from an installed memory card.

1. From the Home screen, touch **Menu** ➔ **System settings**.
2. Under **DEVICE**, touch **Storage**.
3. Under **SD CARD**, touch **Format SD card**, then follow the prompts to confirm the deletion of information from the card.

Section 8: Settings

Accessing Settings

- From the Home screen, touch **Menu** → **System settings**.

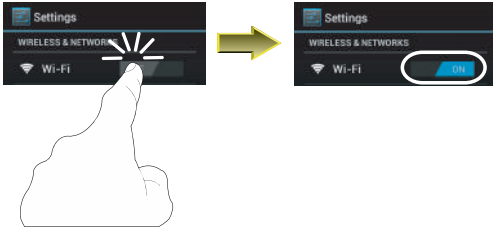
  – or –

  From the Home screen, touch **Apps** → **Settings**.

  The **Settings** menu displays.

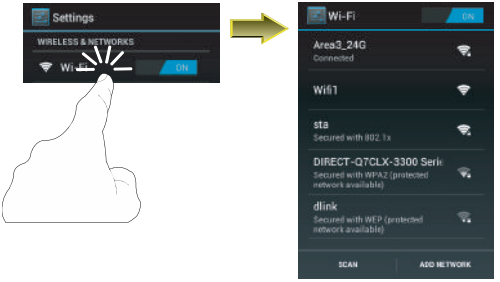
Using Setting Sliders

- To enable or disable a setting, touch the setting slider as shown.



Accessing Additional Options

- To access additional setting options, touch the setting label.



Note: This section does not include information about Call settings. (For more information, refer to *"Call Settings"* on page 49.)

WIRELESS & NETWORKS

Wi-Fi

Set up and manage your phone's connections to Wi-Fi networks. Your phone supports Wi-Fi a/b/g/n.

(For more information about using Wi-Fi, see *"Wi-Fi"* on page 88.)

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for nearby available Wi-Fi networks.

Tip: When you turn Wi-Fi service on, your phone automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from the Notifications panel. (For more information, refer to *"Notifications"* on page 24.)

Turn Wi-Fi On:

- From the **Settings** screen, touch **Wi-Fi** OFF.

Turn Wi-Fi Off:

- From the **Settings** screen, touch **Wi-Fi** ON.

Wi-Fi Settings

Configure and manage connections to Wi-Fi access points.

1. From the **Settings** screen, touch **Wi-Fi**. The **Wi-Fi** options screen displays.
2. Touch options to configure:
   - **SCAN**: Search for available Wi-Fi networks.
   - **ADD NETWORK**: Connect to a new Wi-Fi network (see *"Adding a Wi-Fi Network Manually"* on page 89).
3. Touch **Menu** to access the following additional options:
   - **Advanced**: View and configure the following Advanced Wi-Fi settings:
     - **Network notification**: When enabled, your phone notifies you of nearby Wi-Fi networks when you launch a high data-usage application.
     - **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications, when the phone goes to sleep (when the backlight goes out). This setting can affect your data usage, and the behavior of devices you connect to your phone, such as when tethering or using Mobile Hotspot.

– **MAC address**: (Not configurable) View your phone's MAC address, needed for connecting to some secured networks (only shows when Wi-Fi is active).

– **IP address**: (Not configurable) View your phone's IP address (only shows when connected to a Wi-Fi network).

Bluetooth

Your phone supports Bluetooth® 3.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset**: HSP v1.2 profile supports use of compatible Bluetooth headsets for mono voice.
- **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other compatible Bluetooth devices with speakerphone capabilities.
- **Stereo**: A2DP v1.2, AVRCP v1.0, GAVDP 1.2, AVCTP 1.3 and AVDTP 1.2 profiles support delivery of stereo audio to compatible Bluetooth devices.
- **Object Exchange**: OPP v1.0 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices. PBAP v1.2 supports exchange of Phone Book Objects.
- **Human Interface Devices**: HID v1.0 profile supports certain interface devices.
- **Personal Area Networking**: PAN 1.0 supports exchange of data with other devices.
- **Message Access Profile**: MAP 1.0 allows exchange of messages between devices, such as with an automotive hands-free device.

Turning Bluetooth On or Off

Turn Bluetooth On:

- From the **Settings** screen, touch **Bluetooth** OFF.

Turn Bluetooth Off:

- From the **Settings** screen, touch **Bluetooth** ON.

Tip: You can also turn Bluetooth On or Off at the Notifications Panel.

Bluetooth settings

Pair and connect with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the **Settings** screen, touch **Bluetooth**.
2. Touch a setting to configure Bluetooth:
3. Touch **Bluetooth**

to turn Bluetooth On, or touch **Bluetooth**

to turn Bluetooth Off.
4. Touch your phone's name to enable/disable its visibility to other devices' Bluetooth searches. Available when Bluetooth is On.
5. Touch **SEARCH FOR DEVICES** to search for visible Bluetooth devices. Touch a detected device to pair with it (see *"Pairing with a Bluetooth Device"* on page 90).
6. Touch **Menu** to access the following options:
   - **Rename phone**: Change your phone's Bluetooth name.
   - **Visibility timeout**: Select how long your phone will remain visible to other devices.
   - **Show received files**: Lists files received from other devices over Bluetooth connections.

Data usage

Control your device's connection to your Wireless Provider's data service, and monitor your data usage.

Turning Mobile data On or Off

1. From the **Settings** screen, touch **Data usage**. The **Data usage** screen displays.
2. Touch **Mobile data**

to turn Mobile data On, or touch **Mobile data**

to turn Mobile data Off.

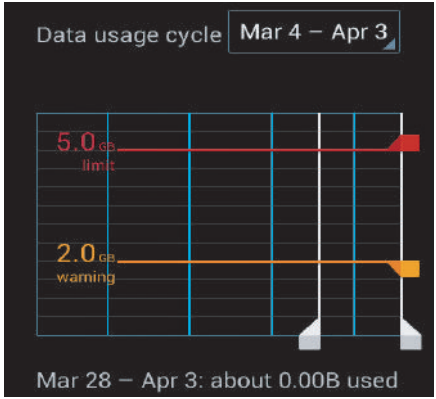
Tip: You can also turn Mobile data On or Off at the Notifications panel.

Setting a mobile data limit

Setting a mobile data limit causes your phone to automatically disable the Mobile data connection when the limit is reached. You can set a warning threshold, to have your device alert you when data usage nears your set limit.

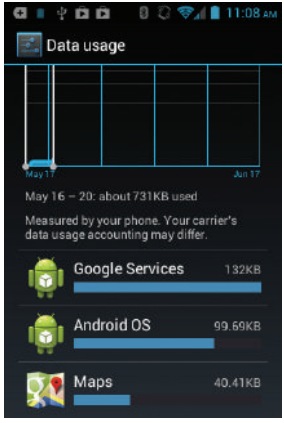
Data usage is measure by your device, and your service provider may account for usage differently, so you may want to consider using a conservative limit. Contact your service provider for more information on actual data usage.

1. From the **Data usage** screen, touch **Data usage**. The **Data usage** screen displays.
2. Touch **Set mobile data limit** to enable the limit. A horizontal red limit line displays in the **Data usage** screen.
3. Touch and drag the vertical usage cycle lines left or right on the graph to adjust the mobile **Data usage cycle**.
4. Touch and drag the horizontal **warning** line up or down on the graph to adjust the mobile data usage warning level.
5. Touch and drag the horizontal **limit** line up or down on the graph to adjust the mobile data usage limit level.



Viewing data usage by app or process

1. From the **Data usage** screen, scroll down the page to see the top three processes or apps using mobile data service.



2. To see data usage for a process or app, and to configure specific settings, touch the process or app.

More Wireless and Networks Settings

- From the **Settings** screen, under **WIRELESS & NETWORKS**, touch **More...**. The **Wireless & networks** menu appears.

Airplane mode

When airplane mode is enabled, all your phone's wireless connections are disabled, and you cannot make or receive calls [except for Emergency (E911) calls] or messages. You can, however, make Wi-Fi and Bluetooth connections.

While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or using other applications.

- To enable or disable airplane mode, from the **Wireless & networks** menu, touch **Airplane mode**. When enabled, a check mark appears in the check box.

VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 91.

Note: You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Adding a VPN

1. From the **Wireless & networks** menu, touch **VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN, using the following settings:
   - **Name**: Enter a name for the VPN connection.
   - **Type**: Choose the type of VPN.
   - **Server address**: Enter the IP address of the VPN server.
   - **PPP encryption (MPPE)**: Touch to enable or disable encryption.
   - **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

Tethering

Use Tethering to share your phone's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

For more information about connecting computers to your phone via Tethering, see *"Tethering"* on page 92.

Note: Using Tethering requires a subscription to your Wireless Provider's mobile data service.

1. From the **Wireless & networks** menu, touch **Tethering & portable hotspot**. The **Tethering & portable hotspot** screen displays.
2. Choose a tethering method:
   - **USB tethering**: Connect the computer to the phone via USB cable, then touch **USB Tethering** to turn tethering On or Off. When On, a check displays in the check box.

Portable Wi-Fi Hotspot

Use Portable Wi-Fi Hotspot to share your phone's internet connection with up to 5 other devices, through Wi-Fi.

You can control whether devices connect to your Portable Wi-Fi Hotspot with the Allowed device list.

For more information about using your phone as a mobile hotspot, see *"Portable Wi-Fi hotspot"* on page 93.

Note: Using Portable Wi-Fi Hotspot requires a subscription to data service. For more information, contact your Wireless Provider.

Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Turning Portable Wi-Fi Hotspot On or Off

1. From the **Wireless & networks** menu, touch **Tethering & portable hotspot** → **Portable Wi-Fi hotspot**.
2. Touch **Portable Wi-Fi Hotspot** to turn the feature on or off.

Note: Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Configuring Portable Wi-Fi Hotspot

- From the **Portable Wi-Fi hotspot** screen, touch **Configure Wi-Fi hotspot** to access the following options:
  - **Network SSID**: View and change the name of your Mobile Hotspot.
  - **Security**: Choose the security level for your Portable Wi-Fi Hotspot.
  - **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
  - **Show password**: Enable to make the Password field visible.
3. Touch **Help** to view information about USB Tethering.

Mobile networks

Set options for network selection, data service, and roaming behavior.

1. From the **Wireless & networks** menu, touch **Mobile networks**. The **Mobile networks** screen displays.
2. Set these options:
   - **Data enabled**: Enable or disable your phone's connection to the mobile data network. You can also control this setting at Notifications with the Mobile data toggle.
   - **Data roaming**: Enable or disable connection to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 16.
   - **System select**: Configure CDMA roaming mode.
     - **Cricket only**: Restricts your phone to your Wireless Provider's network.
     - **Automatic**: Permits your phone to automatically roam to networks other than that provided by your Wireless Provider.

DEVICE

Sound

- From the **Settings** screen, under **DEVICE**, touch **Sound**. The **Sound** menu appears.

Volume

Set the system volume level, and set default volumes for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume** key Up or Down.

1. From the **Sound** menu, touch **Volume**. The **Volume** menu appears.
2. Touch and drag the sliders for:
   - **Music, video, games, & other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
   - **Ringtone & notifications**: Set the volume for incoming call ringtones and notifications, such as new messages and event reminders.
   - **Alarms**: Set the volume for alarm notifications.
3. Touch **OK** to save your settings.

Silent mode

1. From the **Sound** menu, touch **Silent mode**. The following options pop-up:
   - **Off**: Your phone responds to calls and alerts by playing ringtones and alert tones.
   - **Vibrate**: Your phone responds to calls and alerts by vibrating.
   - **Mute**: Your phone responds to calls and alerts by neither ringing nor vibrating.
2. To discard your change, touch **Cancel**.

Phone ringtone

Choose a ringtone for incoming calls.

1. From the **Sound** menu, under **RINGTONE & NOTIFICATIONS**, touch **Phone ringtone**. The **Phone ringtone** menu displays.
2. Touch a ringtone to select it. When you touch a ringtone, a sample plays, unless you have a Silent mode enabled.
3. Touch **OK** to save your selection.

Default notification

Choose a default sound to play for notifications, such as for new messages and event reminders.

1. From the **Sound** menu, under **RINGTONE & NOTIFICATIONS**, touch **Default notification**. The **Default notification** menu displays.
2. Touch a sound to select it. When you touch a sound, a sample plays.
3. Touch **OK** to save your selection.

Vibrate and ring

When enabled, vibration is played at the same time as sounds for calls and alerts.

- From the **Sound** menu, under **RINGTONE & NOTIFICATIONS**, touch **Vibrate and ring** to enable or disable the feature.

  When **Vibrate and ring** is enabled, a check mark displays in the check box.

Dial pad touch tones

Dial pad touch tones are sounds that play when you touch keys on the Phone keypad.

- From the **Sound** menu, under **SYSTEM**, touch **Dial pad touch tones** to enable or disable key sounds.

  When **Dial pad touch tones** is enabled, a check mark displays in the check box.

Touch sounds

Touch sounds play when you touch items on the screen, such as when making a selection.

- From the **Sound** menu, under **SYSTEM**, touch **Touch sounds** to enable or disable touch sounds.

  When **Touch sounds** is enabled, a check mark displays in the check box.

Screen lock sound

Screen lock sound plays when you lock or unlock the screen.

- From the **Sound** menu, under **SYSTEM**, touch **Screen lock sound** to enable or disable the Screen lock sound.

  When **Screen lock sound** is enabled, a check mark displays in the check box.

Vibrate on touch

When turned On, the phone vibrates to indicate screen touches and other interactions.

- From the **Sound** menu, under **SYSTEM**, touch **Vibrate on touch** to turn touch vibrations On or Off.

Emergency tone

You can set your phone to play an alert tone or vibrate during an emergency call (for example, calls to 911).

1. From the **Sound** menu, under **SYSTEM**, touch **Emergency tone**.
2. Touch **Off** for no emergency tone, or touch **Alert** or **Vibrate**.

Display

- From the **Settings** screen, under **DEVICE**, touch **Display**. The **Display** menu displays.

Brightness

Set the default screen brightness.

1. From the **Display** menu, touch **Brightness**.
2. Touch and drag the slider to set the brightness.
3. Touch **OK** to save the setting.

Wallpaper

Select wallpaper(s) for the Home and Lock screens.

1. From the **Display** menu, touch **Wallpaper**.
2. Touch the source of the wallpaper(s) you want to use. [Options are: **Gallery**, **Live wallpapers** (not for the Lock screen), and **Wallpapers**.)
3. Touch the desired image or wallpaper.

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the phone.

- From the **Display** menu, touch **Auto-rotate screen** to turn the feature On or Off.

Sleep

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the **Display** menu, touch **Sleep**.
2. Touch a setting to select it.

Font size

Set the size of the text that displays in screens.

1. From the **Display** menu, touch **Font size**. The **Font size** pop-up displays.
2. Select **Small** or **Normal**.
3. To discard your change, touch **Cancel**.

Storage

Manage the use of memory resources in your phone's Device memory, and on an installed memory card.

- From the **Settings** screen, under **DEVICE**, touch **Storage**. The **Storage** screen appears. The following options are available:
  - **USB STORAGE**: View usage for, and manage, your phone's internal memory (For detailed information and to manage storage in use, touch any item except **Total space** or **Available space**.):
    - **Total space**: Shows the total installed device memory.
    - **Apps**: Shows the total device memory currently used to store applications.
    - **Pictures, videos**: Shows the total device memory currently used to store pictures and videos.
    - **Audio (music, ringtones, and more)**: Shows the total device memory currently used to store music files, ringtones, and more.)
    - **Available**: Shows the total device memory available for use.
  - **SD CARD**: View usage for, and manage, storage space on an optional memory card.
    - **Total space**: Shows the total card memory.
    - **Available**: Shows the total card memory available for use.
    - **Unmount SD card**: Deactivates the memory card so that you can safely remove it or format it. (For more information, see *"Installing and Removing a Memory Card"* on page 94)
    - **Format SD card**: Deletes all data from the memory card, including music, videos, and photos. (For more information, see *"Formatting a Memory Card"* on page 94.)

Battery

See how much battery power is being used by device activities.

1. From the **Settings** screen, under **DEVICE**, touch **Battery**. The **Battery** screen appears.
2. View battery usage for applications and services currently running.

   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
3. Touch **Screen**, **Cell standby**, **Android OS**, **Android System**, or any other listed feature or application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Application manager

You can download and install applications from the Google Play Store, or create applications using the Android SDK and install them on your phone. Use Application manager to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

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1. From the **Settings** screen, under **DEVICE**, touch **Apps**. The **Apps** screen appears.
2. Touch **DOWNLOADED**, **RUNNING**, or **ALL** to list the statuses of applications and services. The graph at the bottom of the **DOWNLOADED** tab shows used and free Device memory. The graph at the bottom of the **RUNNING** tab shows used and free RAM.
3. Touch an app or service to display the **App info** or **Active app** screen which provides more detailed storage usage information, and lets you Stop/Force stop or Uninstall/Report and app or service. For Downloaded apps, you can also Clear data, Clear cache, and/or Clear defaults.

PERSONAL

Accounts & Sync

Set up and manage accounts, including your Samsung, Email, Google, and social networking accounts.

1. From the **Settings** screen, under **PERSONAL**, touch **Accounts & sync**.
2. Touch **Sync** to synchronize this account.

(For additional Email or Gmail account settings, see *"Configuring Email Accounts"* on page 55, or *"Managing Your Gmail Account"* on page 60.)

Location services

Location services control your device's use of GPS signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

1. From the **Settings** screen, under **PERSONAL**, touch **Locations services**. The **Location services** screen displays.
2. Touch the following options to enable/disable them. (When an option is enabled, a check mark displays in its check box.):
   - **Google's location service**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.

Note: Use GPS satellites must be enabled to use some applications. You can also enable or disable **GPS** from the Notifications panel. (For more information, refer to *"Notifications"* on page 24.)

- **GPS satellites**: allows applications to use GPS to pinpoint your location.

Important! By selecting **Use GPS satellites**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means.

- **Location & Google search**: allows Google to use your location data for improved search results and other services.

Note: Google location services must be enabled to use some applications.

Security

To access Security settings:

- From the **Settings** screen, under **PERSONAL**, touch **Security**. The **Security** screen appears.

Screen lock

To secure data and limit phone access, set the phone to require a screen unlock pattern, pin, or password each time you turn on the device, or every time the phone wakes up from sleep mode (when the screen automatically turns off).

(For more information about using the lock and unlock features, see *"Securing Your Phone"* on page 16.)

- From the **Security** screen, under **SCREEN SECURITY**, touch **Screen lock**. The **Select screen lock** menu appears. The following options are available:
  - **None**: Disable all custom screen lock settings, to use the default swipe unlock screen.
  - **Slide**: When enabled, you unlock the phone by swiping your finger across the screen. This is the default screen lock, and offers no security.
  - **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the phone. Touch the option, then follow the prompts to create or change your screen unlock pattern.
  - **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the phone.
  - **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the phone.

Using Slide

This feature is the least secure locking method and only requires that a user slide the screen to unlock the device.

- From the **Select screen lock** menu, touch **Slide**.

Setting an Unlock Pattern

Creating a screen unlock pattern increases security on the phone. When you enable the User visible pattern field, you will draw an unlock pattern on the screen whenever you want to unlock the phone's buttons or touch screen. When you activate the User tactile feedback field, you feel vibration as feedback while drawing the pattern.

1. From the **Select screen lock** menu, touch **Pattern**.
2. Review the on-screen animation procedure for drawing a pattern and tap **Next** to draw a pattern.
3. Draw a pattern.
4. Lift your finger when you have connected at least four of the dots in a vertical, horizontal, or diagonal direction and touch **Continue**.
5. Confirm the pattern by repeating it, then touch **Confirm**.

Changing the Screen Lock Pattern

This feature allows you to change the previously stored unlock pattern and update it if necessary. This process is similar to changing your password.

1. From the **Security** screen, under **SCREEN SECURITY**, touch **Screen lock**.
2. Redraw your pattern.
3. Touch **Pattern** and draw a new pattern.
4. Lift your finger when you have connected at least four of the dots in a vertical, horizontal, or diagonal direction and touch **Continue**.
5. Confirm the pattern by repeating it, then touch **Confirm**.

Deleting a Screen Lock Pattern

1. From the **Security** screen, under **SCREEN SECURITY**, touch **Screen lock**.
2. Draw your pattern.
3. Touch **None**.

PIN Lock and Unlock

1. From the **Select screen lock** menu, touch **PIN**.
2. Enter a PIN number using the keypad and touch **Continue** to confirm the PIN.

   Your phone requires you to enter this PIN number in order to unlock the phone.

Password Lock and Unlock

1. From the **Select screen lock** menu, touch **Password**.
2. Enter a password and touch **Continue** to confirm the password.
3. Confirm the password by re-entering it and tap **OK** to confirm.

Automatically Lock

This option lets you define the amount of time that must pass before the device can automatically lock on its own.

Note: This option only displays when a screen lock option is active.

Power Button Instantly Locks

When enabled, pressing the Power/Lock button will instantly lock the device's screen.

Note: This option only appears when a screen lock option is active.

Owner information

Touch this option to enter text you want displayed on the Lock screen.

Make passwords visible

When enabled, your pattern displays as you enter it.

- From the **Security** screen, under **PASSWORDS**, touch the following option to enable/disable it: (When the option is enabled, a check mark appears in the check box.)
  - **Make passwords visible**: When enabled, briefly displays password characters as you enter them.

Device administration

View or disable device administrators. Some applications, such as corporate Email, may require you allow access to your device by device administrators in certain circumstances, such as if your phone is lost or stolen.

Some features a device administrator might control include:

- Setting the number of failed password attempts before the phone is restored to factory settings.
- Automatically locking the phone.
- Restoring factory settings on the phone.

- From the **Security** screen, under **DEVICE ADMINISTRATION**, touch the following options to enable/disable them: (When an option is enabled, a check mark displays in its check box.)
  - **Device administrators**: View, add, or remove device administrators.
  - **Unknown sources**: When enabled, you can install applications from sources other than Google Play.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Credential storage

You can install credentials with an application, from device storage, or from an installed memory card, and use the **Credential storage** settings to allow applications to access the secure certificates and other credentials.

- From the **Security** screen, under **CREDENTIAL STORAGE**, touch the following options to enable/disable them. (When an option is enabled, a check mark displays in its check box.):
  - **Trusted credentials**: View, enable, or disable trusted CA certificates.
  - **Install from SD card**: Install encrypted certificates from an installed memory card.

    Note: You must have installed a memory card containing encrypted certificates to use this feature.

  - **Clear credentials**: Clear stored credentials and reset the password.

    Note: This setting is only available if you have installed certificates.

Language and input

- From the **Settings** screen, under **PERSONAL**, touch **Language & input**. The **Language & input** menu appears.

Language

Select the language used in your phone's screens.

- From the **Language & input** menu, touch **Language** to select the language used in your phone's screens.

Keyboard and input methods

Configure text entry options to your preferences.

- From the **Language & input** menu, under **KEYBOARD & INPUT METHODS**, touch the check box next to each of the following options to enable it. (When enabled, a check mark displays in the check box.):
  - **Default**: Review the default method for manually entering text.

    Note: This option cannot be changed.

- **Google voice typing**: Lets you vocally dictate the text entered into a field. Touch beside Google voice typing to configure the following options:
  - **Select input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
  - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
- **Samsung keyboard**: Touch beside Samsung keypad to configure the following options.

Note: This option cannot be disabled.

  - **Portrait keyboard types**: Choose the default keypad when the screen is in portrait mode, from Qwerty or 3x4 keyboard (similar to a phone keypad).
  - **Input language**: Select languages for the Samsung keyboard.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

  - **Predictive text**: When enabled, T9 suggests words matching your text entries and optionally, complete common words automatically. Touch **Predictive text**

to enable T9 predictive text, or touch **Predictive text**

to disable T9 predictive text. Touch **Predictive text** to configure additional options.
  - **Continuous input**: allows you to enter text by sliding your finger across the keyboard.
  - **Keyboard swipe**: Allow changing between the input modes without using the Input Mode key. You can "sweep" the displayed keyboard aside, in the same way you scroll through Home screens.
  - **Voice input**: Activate the Voice input feature.
  - **Auto capitalization**: Automatically capitalizes the first letter of the first word in each sentence (standard English style).

– **Auto-punctuate**: When enabled, a period and space are automatically entered to end a sentence, when you tap the space bar twice.
– **Character preview**: When enabled, characters available on the key you touch display briefly as you enter text.
– **Key-tap sound**: When enabled, a sound plays for your key touches.
– **Tutorial**: View help for using T9 predictive text.
– **Reset settings**: Touch to reset Samsung keyboard settings to the defaults, except for My word list and the Auto substitution list.

Speech

These features allow your phone to correctly recognize verbal input.

Voice Search

1. From the **Language & input** menu, under **SPEECH**, touch **Voice Search**.
2. Configure the available options to alter the settings associated with this feature:
   - **Language**: selects an input language and associated dialect recognition (if available).
   - **SafeSearch**: sets the explicit image filter settings. These settings apply to only Google voice search results. Choose from: Off, Moderate, or Strict.
   - **Block offensive words**: allows you to block recognition of known offensive words or language. (A blue check mark indicates the feature is active).
   - **Personalized recognition**: allows you to improve speech recognition and accuracy by allowing Google to associate your recordings with your Google Account.
   - **Google Account dashboard**: allows you to manage your collected data via your Google account.

Text-to-speech output

This feature allows your phone to provide a verbal readout of on-screen data such as messages and incoming caller information. This action is called TTS (Text To Speech).

1. From the **Language & input** menu, under **SPEECH**, touch **Text-to-speech output**.
2. Select a current Preferred TTS engine from the list of available options. The default is Google Text-to-speech.
3. Tap to configure the engine's settings. Set the desired Language.
4. Tap **Speech rate** to assign the speed at which the text is spoken. Choose from: **Very slow**, **Slow**, **Normal**, **Fast**, and **Very fast**.
5. Tap **Listen to example** to play short demonstration of the speech synthesis.

Backup and reset

Backup configurations or reset the phone to erase all personal data.

- From the **Settings** screen, under **PERSONAL**, touch **Backup & reset**. The **Backup & reset** menu appears.

Backup and restore

The device can be configured to back up your current settings, application data and settings.

- From the **Backup & reset** menu, under **BACKUP & RESTORE**, the following options are available:
  - Touch **Back up my data** to create a backup of your current phone settings and applications.
  - Touch **Back account** to assign the account being backed up.
  - Touch **Automatic restore** to assist in the re-installation of a previously installed application (including preferences and data).

Personal data

Using Factory data reset, you can reset your phone and sound settings to the factory default values.

1. From the **Backup & reset** menu, under **PERSONAL DATA**, touch **Factory data reset**.
2. Read the on-screen reset information.
3. Touch **Reset phone**.
4. If necessary, enter your password and tap **Erase everything**. The device resets to the factory default settings automatically and when finished displays the Home screen.

Note: Any previously installed Play Store applications no longer appear on your phone.

SYSTEM

Date and time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the **Settings** screen, under **SYSTEM**, touch **Date & time**. The **Date & time** menu appears.
2. Touch a setting to configure:
   - **Automatic date and time**: When enabled, the phone takes date and time updates from the wireless network (disables Set date, Set time, and Select time zone).
   - **Automatic time zone**: When enabled, the phone uses the network-provided time zone.
   - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   - **Set time**: Enter the current time (only available when Automatic date and time is disabled).
   - **Select time zone**: Choose your local time zone (only available when Automatic date and time is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

Accessibility

Your phone offers features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

- From the **Settings** screen, under **SYSTEM**, touch **Accessibility**. The **Accessibility** menu appears.

Services

TalkBack

- From the **Accessibility** menu, under **SERVICES**, touch the following option:
  - **TalkBack**: When set to ON in the **TalkBack** screen, recites menu options, application titles, contacts, and other items when scrolling and making selections, according to the **SETTINGS** values you select.

System

- From the **Accessibility** menu, under **SYSTEM**, touch the check box next to each of the following options to enable it: (When enabled, a check mark appears in the check box.)
  - **Power button ends calls** When enabled, lets you end voice calls by pressing the **Power/Lock** key.
  - **Auto-rotate screen**: The screen's orientation automatically changes when you rotate the phone.
  - **Speak passwords**: Lets you speak passwords for log-ins.
  - **Touch & hold delay**: Lets you select a time interval for this action. Choose from: **Short**, **Medium**, or **Long**.
  - **Install web scripts**: Activates/deactivates the feature which allows some applications to install scripts from Google and makes the Web site's content more accessible.

Developer options

Use the Developer options to set options for Android application development and testing.

- From the Home screen, touch **Apps** ➔ **Settings** ➔ **Developer options**. The **Developer options** screen displays.

About phone

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

Software update

Software update lets your phone connect to the network and download any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **About phone** ➔ **Software update**. You are prompted to select your current country.
2. Review the Disclaimer and touch **Confirm**.

   Your device registers itself with your Wireless Provider's Software Update service, connects with your Wireless Provider's server, and scans for software updates.
3. At the **Software update** prompt, touch **OK** to continue.
4. The phone automatically updates the software (if available), otherwise, when the **The latest updates have already been installed** prompt is displayed, touch **OK**.
5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, touch **Continue update**.

Status

View Battery status, Battery level, Network, Signal strength, Mobile network type, Service state, Mobile network state, My phone number, MIN, PRL version, ESN, MEID, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

Legal information

Display open source licenses, configure license settings, including your DivX VOD registration, and Google info.

Model number

View your phone's model number.

Android version

View the firmware version of your phone.

Baseband version

View the baseband version of your phone.

Kernel version

View the kernel version of your phone.

Build number

View the build number of your phone.

Section 9: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.

- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This mobile phone has a FCC ID number: A3LSCHR740C [Model Number: SCH-R740C] and the specific SAR levels for this mobile phone can be found at the following FCC website:

http://www.fcc.gov/oet/ea/.

Samsung's website for this device can also be found on SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive Wireless Emergency Alerts from CMAS. If your wireless provider has chosen to participate in CMAS, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp

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Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://fun.samsungmobileusa.com/recycling/index.jsp.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch to launch the Phone Dialer.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Touch to place the call.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device

may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

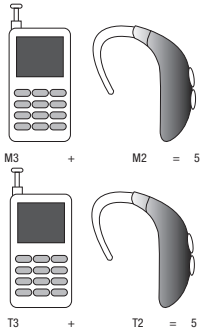
Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 10: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice. [111611]

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("Samsung") for software, owned by Samsung and its affiliated companies and its third party suppliers and licensors, that accompanies this EULA, which includes computer software and may include associated media, printed materials, "online" or electronic documentation in connection with your use of this device ("Software").

This device requires the use of preloaded software in its normal operation. BY USING THE DEVICE OR ITS PRELOADED SOFTWARE, YOU ACCEPT THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THESE TERMS, DO NOT USE THE DEVICE OR THE SOFTWARE.

1. **GRANT OF LICENSE**. Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

Certain items of the Software may be subject to open source licenses. The open source license provisions may override some of the terms of this EULA. We make the applicable open source licenses available to you on the Legal Notices section of the Settings menu of your device.

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4. **CONSENT TO USE OF DATA**. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, such as IMEI (your device's unique identification number), device number, model name, customer code, access recording, your device's current SW version, MCC (Mobile Country Code), MNC (Mobile Network Code). Samsung and its affiliates may use this information solely to improve their products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you. At all times your information will be treated in accordance with Samsung's Privacy Policy, which can be viewed at: http://account.samsung.com/membership/pp.

5. **SOFTWARE UPDATES**. Samsung may provide to you or make available to you updates, upgrades, supplements and add-on components (if any) of the Software, including bug fixes, service upgrades (parts or whole), products or devices, and updates and enhancements to any software previously installed (including entirely new versions), (collectively "Update") after the date you obtain your initial copy of the Software to improve the Software and ultimately enhance your user experience with your device. This EULA applies to all and any component of the Update that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such Update. To use Software provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

While the Update will be generally available, in some limited circumstances, the Software updates will only be offered by your network carrier, and such Software updates will be governed by your contractual relationship with your network carrier.

With the “Automatic Update” function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update If you choose to disable the “Automatic Update” function, then you can check the availability of new Updates by clicking on the “Check Update” menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the “Wi-Fi Only” option in the Setting. (Regardless of the option you choose, the “Automatic Update” function downloads Updates only through Wi-Fi connection.)

6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

7. **SOFTWARE TRANSFER**. You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

8. **EXPORT RESTRICTIONS**. You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including all the applicable export restriction laws and regulations.

9. **TERMINATION**. This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the

terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

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Index

A

Accessibility
- settings 119

Accounts
- adding a Google account 32
- setting up 32
- settings 109
- sychronization 33

Airplane mode 100

Application Manager
- settings 108

Applications
- downloading new 83

B

Back key 22

Backup and Reset 117

Battery 9
- charging 10
- cover, installing 7
- cover, removing 6
- indicator 9
- installing 9
- removing 10
- settings 108
- Wall Charger 10

Battery Use & Safety 130

Bluetooth
- pairing with a device 90
- profiles 97
- settings 98
- turning on or off 90

Browser, Internet 62

C

Calculator 69

Calendar 69

Calls
- answering 46
- call-waiting 46
- ending 47
- from Contacts 44
- from Favorites 45
- from People list 44
- from Recent calls 45
- in-call options 47
- recent 47
- rejecting 46
- rejecting with a message 46
- sending to voicemail 46
- settings 49
- silencing a ringer 46
- three-way 45
- using the Keypad 43
- using Voice Dialer 44
- Voice Dialer 85

Camcorder
- accessing videos 75
- options 75
- recording video 73

Camera
- options 72
- taking pictures 71

Care and Maintenance 136

Children and Cell Phones 126

Chrome 76

Clock 76

Commercial Mobile Alerting System (CMAS) 129
Contacts
choosing contacts to display 37
creating 35
creating from Recent calls 36
creating from the Keypad 36
exporting and importing 37
groups 41
joining 39
My Profile 38
sharing 40
starred contacts 40
updating 36
updating from Call log 37
updating from Keypad 36
updating from Recent calls 48
Corporate Email Accounts 56
Credential Storage 114
Cricket Navigator 76
Cricket411 77

D

Data Usage 98
setting mobile data limit 99
Date and Time
settings 118
Developer Options 120
Device Administration 113
Display / Touch-Screen 134
Display settings
brightness 106
screen timeout 106
Displaying Your Phone Number 15
Do cell phones pose a health hazard? 122
Downloads (App) 77

E

Email
account settings 56
composing and sending 55
configuring accounts 55
Microsoft Exchange 56
refreshing your accounts 56
Emergency Calls 135
Exposure to Radio Frequency (RF) Signals 122

F

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices 141
FCC Notice and Cautions 143

G

Gallery 77
viewing pictures 78
viewing videos 78
Getting Started
setting up your phone 6
Gmail
composing and sending 60
configuring your account 59
managing your account 60
refreshing your account 60
Google
Chrome 76
Gmail 59
Google Settings 79
Google+ 61
Local 79

managing an account 34
Maps 80
Messenger 61
Navigation 81
Play Books 82
Play Store 83
Search 84
setting up an account 32
Talk 60
your account 14
YouTube 85
Google Play Magazines 82
Google Settings 79
Google Talk 60
Google Voice Typing 31
Google+ 61
GPS 134
Group 41
deleting 41
editing 41
Groups
adding contacts 42
creating 41

H

HDMI Port 21
Health and Safety Information 122
Home key 22
Home screen 25
adding shortcuts 29
adding widgets 28
customizing 27
primary shortcuts 29
removing shortcuts 29
wallpaper 28

I

Icons
Status Bar 26
Internet
bookmarks 65
browser 62
browser history 66
browser settings 67
browser windows 64
copying text 63
entering an URL 63
going incognito 65
navigating 62
options while using the browser 64
saved pages 66

K

Keyboard and Input Methods 114

L

Language and Input
settings 114
Local (App) 79
Location Services
settings 109
Locking and Unlocking
unlocking the keypad 13, 17

M

Maps 80
Memory Card 94
formatting 94
installing 7
removing 8
Menu
context-sensitive 22
key 22

Messages
creating and sending 51
email 55
Gmail 59
settings 53
types 51
viewing 52
Messenger 61
microSDHC card 7
Mobile Hotspot
settings 102
using your phone as a hotspot 93
Mobile networks
settings 103
Mobile Web 81
Muve Music 81
My Account (App) 81
My Profile 38
sending 39

N

Navigation 22
command keys 29
touch gestures 23
Navigation (App) 81
Notification Panel 24

O

Operating Environment 139
Other Important Safety Information 143

P

Pairing with Bluetooth 90
PC Connections 92
Phone
about the phone 120
back view 21
date and time 118
features 18
front view 19
service status 121
side view 20
software update 120
Phone Number, Displaying Your 15
Phone settings
language 114
Pictures
taking 71
Play Books 82
Play Magazines 82
Play Music (App)
adding music to a Playlist 83
creating a playlist 82
editing playlists 83
removing music from a playlist 83
Play Store 83

R

Recent calls
creating/updating contacts 48
managing 48
sending messages 48
Reducing Exposure
Hands-Free Kits and Other Accessories 125
Responsible Listening 137
Restricting Children's Access to Your Mobile Device 142
Roaming 16

S

Samsung keyboard
- configuring 30
- entering text 30

Samsung Mobile Products and Recycling 132
Screen Lock 110
Search (App) 84
Security
- locking and unlocking 16
- locking the phone 16
- screen lock 110
- settings 110
- unlocking with a password 17
- using an unlock pattern 17

Settings 95
Shop (App) 84
Smart Practices While Driving 129
Software Update 120
Sound
- phone ringtone 104
- settings 103
- silent mode 104

Specific Absorption Rate (SAR) Certification Information 127
Speech
- settings 116

Standard Limited Warranty 145
Storage
- Memory and Storage 107

T

TalkBack 119
Tethering 92
- settings 101

Text
- entering 30
- using Google voice typing 31
- using Samsung keyboard 30
- virtual QWERTY keyboard 30

Text settings
- default 114
- Google voice typing 115
- Samsung keyboard 115

TTY Mode 15
Turning Your Phone Off 13
Turning Your Phone On 12

U

UL Certified Travel Charger 133
Understanding this User Manual 4
- special text 5
- text conventions 5

UNO (App) 84
USB Power/Accessory Port 20
USB settings
- mass storage device 92

Using Favorites
- Deleting a Favorite 66

V

Videos
- recording 73

Voice Dialer 85
Voicemail 15
- checking 15
- setting up 15

Volume
- key 20

VPN
- accessing 91
- settings 101

W

Warranty Information 145
Widgets 28, 86
  list of widgets 86
Wi-Fi
  adding a connection manually 89
  scanning and connecting 89
  settings 96
  turning on or off 88
  using your phone as a hotspot 93
Wireless Networking
  Bluetooth 89
  VPN 91
  Wi-Fi 88

Y

YouTube 85